THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in ENGLAND, 1859

Registered as a Newspaper. Published Weekly at 42 CANNON STREET, LONDON, E.C. 4.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in AUSTRALASIA, 1885

No. 2,027. Vol. XC. NOVEMBER 30, 1918.

SUBSCRIPTION (including the Diary and Text Book at Home or Abroad, 15s. PER ANNUM, POST FREE Single Copies 6d. each, including postage.

Advances in Pharmacy

TRADE MARK A.D. 1715.

"Byno Chrismol"

TRADE MARKS

"Byno Chrismol" marks a new departure in the pharmacy of liquid paraffin. It presents 50 per cent. by volume of "Chrismol," a specially selected and purified Russian mineral oil in intimate combination with the "Allenburys" Malt Extract.

"Byno Chrismol" is specially indicated in Chronic Constipation with symptoms of auto-intoxication, also after Child-birth, during the nursing period and whenever a simple laxative is required by child or adult.

"Byno Chrismol" possesses the following advantages:

It is prepared with mineral oil of the proper viscosity and chemical constitution to ensure efficient lubrication with a complete absence of bye-effects.

The intimate combination of the mineral oil and "Allenburys" Malt Extract without an emulsifying agent, ensures the maximum activity of the oil as a lubricating agent, and removes the inconvenience that sometimes follows insufficient admixture of the lubricant with the intestinal contents.

It possesses no oily taste. The "Allenburys" Malt Extract present assists digestion and assimilation.

Face Values and Minimum Retail Prices:

2/6 and 4/6 each; these prices are subject to 25% discount.

Samples for Medical Men free on request.

ALLEN & HANBURYS LTD., LONDON.

City House: 37, Lombard Street, E.C.3. *West End House.* 7, Vere Street, W.1.

Index to Advertisers p. 5

Umney's Choice Synthetics, &c.

"ROSETTOL"

A delicate fragrant Rose compound for Perfumes, Toilet Preparations, Rose Water, etc. ... 25/- per oz.

"ROSETTOL" First in the Field, still holds first place amongst the synthetic Rose products.

A PHARMACIST'S OPINION.—"'ROSETTOL' is better than any other artificial otto that I have tried."—GEORGE LUNAN, F.C.S., Pharmaceutical Chemist, Edinburgh.

PRESS OPINION.—"When the firm's 'ROSETTOL' was first introduced, we were much impressed by its excellent qualities, and thought it was, in fact, an improvement upon the natural otto; we think so still."—THE PHARMACEUTICAL JOURNAL.

"JASMINETTOL"

Artificial Jasmin Oil. The true Natural Odour of the Jasmine ... ... 10/6 per oz.

BENZOINETTOL. For Perfuming Benzoin Creams, Lotions, etc. ... ... 5/- per oz.

BERGAMETTOL. Artificial Bergamot Oil 1/6 per oz.; 20/- per lb.

CARNATESSE. The Fragrance of the Clove Pink accurately represented ... 7/6 per oz

GERANETTOL. Artificial Geranium Oil 1/6 per oz.; 20/- per lb.

LAVANDESSE. A highly Concentrated Extract of Lavender Flowers prepared by a new process. "It has a fragrance of the lavender field" ... ... 3/- per oz.

MUSCOL. A perfume fixative to replace Musk and Ambergris ... ... 4/6 per oz.

NEROLETTOL. A substitute for Oil of Orange Flowers ... ... 7/6 per oz.

PATCHOULETTOL. A substitute for Patchouli Oil ... ... 3/6 per oz.

SACHETTOL. A delightful perfume, very persistent. Economical in use. An excellent basis for sachet powder or for use in toilet creams ... ... 7/6 per oz.

VIOLONOL. The true fragrance of the Violet. For Perfumes, Toilet Specialities, etc. 10/6 per oz.

Special preparations of the above, miscible with oil, can be supplied for Brilliantines.

UMNEY'S PERFUMERY PRODUCTS

WERE AWARDED

GRAND PRIX, Turin International Exhibition, 1911.
GOLD MEDAL, Brussels International Exhibition, 1910.

WRIGHT, LAYMAN & UMNEY, LTD.

SOUTHWARK, LONDON, S.E. 1.

FRUIT LAXATIVES

An excellent substitute for Castor Oil. In sweetmeat form.

The tablets are packed first in a parchment bag, then in an attractive envelope.

	Per Gross.
2's	**8/9**
3's	**11/-**
4's	**12/6**

Smart Show Cartons supplied with all orders.

IN CARD OUTERS OF 1 GROSS.

CHILDREN TAKE THEM AS READILY AS THEY WOULD A SWEET.

Carriage paid on orders to the value of £2 or over.

ARTHUR·H·COX·&·CO·LTD

Manufacturing Chemists

BRIGHTON ENGLAND

TRADE MARK

A Fair Profit:

36% ON SELLING PRICE
54% ON COST

There is a bonus given with a window show order for "QUINPHOS," the conditions being simply the exhibition of a small high-class showcard in a prominent position in the window and an order for a SMALL amount of the goods. This means that the PROFIT ON "QUINPHOS" is 36% on selling price, or 54% on cost.

"QUINPHOS"

Regd.

The Great Tonic.

Retail Prices LIQUID OR TABLETS 1/3, 2/11, 5/-

Please write for full particulars to the Sole Makers:

THOMPSON & CAPPER, LTD.

MANESTY BUILDINGS, COLLEGE LANE, LIVERPOOL.

Telegrams: "Sanitas Liverpool." Telephone: 2060 Royal (Private Branch Exchange).

ESTABLISHED 1843.

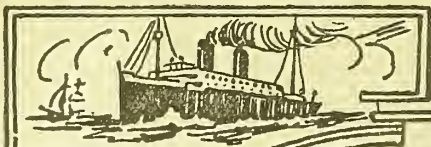
"DISTOL"

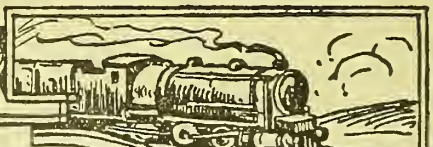
LILY of JAPAN

A "Distol" that will stand dilution with water up to 50% without loss of its distinctive charm. Ask for sample

THOMAS KERFOOT & CO.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

COPYRIGHT





BRIDGE BRAND.

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R. W. GREEFF & CO. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries

(WHOLESALE QUANTITIES ONLY)

Acetanilid
Acetyl Salicylic Acid
Amidol
Amidopyrin
Barbitone
Benzoic Acid
Benzamine Hydrochlor
Benzamine Lactate
Benzo Naphthol
Beta Naphthol
Bromide of Ammonium
Bromide of Potassium
Bromide of Sodium
Chloral Hydrate
Cinchonine and Salts
Cinchonidine and Salts
Citric Acid
Cocaine
Creosote Carbonate
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol substitute)
Kelene (Pure Ethyl Chloride)
Lecithin
Lithia Carbonate
Lithol (Ichthyol substitute)
Menthol
Methylene Blue Medicinal
Methyl Salicylate
Novoeain
Paraldehyde
Peppermint Oil
Phenacetin
Phenazone
Phenolphthalein
Potassium Sulpho-Guaiacolate
Pyrogallic Acid
Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
Quinoidine
Resorcin
Salicylic Acid
Salicylate of Soda
Salol
Soda Sulphite Anhydrous
Sugar of Milk
Tannic Acid
Tannin Albuminate
Tartaric Acid
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

R. W. Greeff & Co.

THAMES HOUSE, QUEEN ST. PLACE, LONDON, E.C.4

MANCHESTER BRANCH:
Lloyds Bank Buildings, King Street.

NEW YORK AGENTS:
R. W. Greeff & Co., 80, Maiden Lane.

K TO ADVERTISERS IN THIS ISSUE

The Arabic numerals (1 to 32) in this Index refer to Advertisements in the ront of literary pages the Advertisements following the literary pages are numbered in Roman numerals (i to xl).

ANUFACTURING Co., Plasters, &c. xxxiii
Hanburys. Ld., Foods. ...... Cover
H., & Co., Overton's Foot Balm 28
Drug & Chemical Co.. Drugs ... ix
Quinine Works, Quinine...... vii
Perfumery Co, Hair Preparations.. 26
Saccharin Tablets.. 6
ufacturing Co., Saccharin Tablets 6
aunders & Co., Ld., Per umes.... 15

Trading Co. 8
Quinine Factories, Quinine Salt... vi
R., & Son Infant Perservative ... xxvi
hillan & Co., Chemicals.......... ix
, Ichthyol iv
n, & Croyden, Ld., Ampoules.... xliii
& Co,, Saccharin Tablets 6
Sons & Shears, Ld., Pharmaceu-
Machinery xxvii
& Co., Saccharin 7
, Ltd., Dr gs xxii
Fish, Chemists' Valuers, &c. Col. Supp.
lfred, Ld., Citrate 10
Victor, & Co., Chemicals xv
W., & Co., Ld., Epsom Salts...... xxi
S., & Son, Parasiticides........ xxi
Saccharin Tablets 7
-Turner & Co., Boxes xxxi
a Co., Hair Dyes xlii
Cellulose & Chemical Mnfg, Co.,
Acetic Anhydride xv
Commercial Gas Association....... 23
Drug & Chemical Co. xx
Drug Houses, Ld., Pharmaceuticals 32
Optical Institute, Optical Tuition xxxix
Pasteur-Chamberland Filter Co xli
y, H. & Co. Ld., Perfumes, Soaps v
ton - Ratcliffe & Co., Ld.,
harin iii
iko, R., Drugs nd Chemicals xx
Varren & Ridgley, Ld., Enemas..xxviii
, Burbidges & Co., Sodium Salicylate 9
& Co., Eucalyptus Oil xxxvi
, J., Ld., Absolute Alcohol ...... Text
Wellcome & Co. Ld., Photo-
hic Diary 31
Baker & Co., "Glacialine".......xxvii
E. H., & Sons, Ld , Aniline Dyes .. xix

Bros., Ld., Cocoa ....Cover
, Ld, ... xxv
Mnfg. Co., Skin Tablets 27
ael 14
, A. & F., Toilet 22
, A. S., Ld., India-rubber Teats.. xxx
n, J. L. French Medicinal Prop .. xlii
Foods Co., Foods .. ..Col.Supp.
& N. Wales Coll. of Pharmacy xxxviii
ide Co., Indigestion Tablets xxvii
pherson, C., & Co., Drugs.......... vii
, T., & Co., Toilet Articles xlii
y's Chemical Co.................... 7
-Products Co., Vaporisers..........xxvi
ie Commerciale de Noad ....Col.Supp.
, A., & Co., Chemicals 14
, Shopfittings......................xxxix
Son & Co., Ld., Cachets xlii
eur H., & Co., Ld., Fruit Laxative 1

Damancy & Co., Saccharin 8
De St. Dalmas, A., & Co., Plasters, Crepe xxxiv
Dee Oil Co., Ld., Petroleum Jellies........ xl
Devilbiss Mnfg. Co., Atomizers xlii
Dudley & Co., Window Tickets ......Col.Supp.

Eburite Paper Co., Ld., Corrugated Paper xxxvii
Eeles, Walker & Co , Boxes xxxv
Efandem Co..............................xxxv
Elliott Optical Co. xxxiii
Ellison, H., Ld., Disinfectants xlii
Empire Perfumery Co. 24
Eucryl, Ld., Dentifrices 21
Evans Sons Lescher & Webb, Ld., Drugs, &c. 28, ii
Evan-Williams, Shampoo 23

Farris, Charles, Beeswax, Spermaceti,
White Oils 10
Fellows' Medical Mfg. Co., Medic. Syrups viii
Ferber, R., Ld., Capsules xxvii
Fink, F., & Co., Gums xlii
Fletcher, Fletcher & Co., Ld., Liquors ...Text
Ford, Shapland & Co., Chemists' Printing xxxi
Frame Food Co., Ld., Foods 14
Franses, J. J., & Sons, Ld., Waxes........ xl
Fuerst.................................. xxi
Fuller & Co. Ino., Sacchar n xx
Fullwood, R. J , & Bland. Annatto xliii
Galen Mnfg. Co., Syringes xlii
Genatosan, Ld., Sanatogen Foods........... 12
Gibbs, D. & W., Ld., Toilet Soaps, ... 20
Gignoux, Freres, & Co., French Specialists ix
Globe Box Co., Cartons xxxvi
Goodall, Backhouse & Co., Herbs ......Cover
Goodman, G., Ld., Safety Pins 25
Gooch, Kidston & Co. Chemicals xvii
Gowra, John, Books (Secondhand, &c.) Col.Supp.
Graesser, R., Carbolic Acid, &c xxi
Greeff, R. W. & Co., Chemicals 4
Greenwich Lemonade 6
Gurst, T., Saccharin 8

Hair, B. W., & Son, Surgical Dressings x
Hallam, F., Saccharin Tablets 7
Hadley T., Health Salts, Rat Poison..xvii, xxiv
Harris, T. S., & Co , Raw Linseed Oil xl
Hastings Lang & Co., Ld., Sweetening Tablets xl
Hemple Max xlii
Hennings, Saccharin 8
Hibbert, Frank, Saccharin, Aspirin xx
Hilger & Co. xxxiii
Hill, Samuel, Ld., Filter Cloth...........xxiv
Hores, W. H., & Co., Ld., Essential Oils ..Text
Holliday, F. B., & Co., Ld., Fine Chemicals xviii
Holt, Thompson & Co., Salicylic Acid xl
Hopkin & Williams, Ld., Re agents xiii
Hoult, Richard, Saccharin 6
Hovenden, R., & Sons, Ld., Shaving 26
Howard Lloyd & Co., Ld., Lanolin xvi
Hubbuck, T., & Son, Ld., Zinc Oxide x
Huisking, O. L., Inc. Drugs xiv

Isaacs, I., & Co . Medical Glassware ..Col. Supp.
Job Bros , Cod Liver Oil (Newfoundland) ... 29
Johnson & Co., Drugs iii
Johnson, Matthey & Co., Ld., Rare Metals .xvii
Johnson & Sons (Mfg. Chts.), Ld. xxxviii
Josephs Philip, & Sons. Ld. Shopfittings
Col Supp

Kearney, W. J.. Glycerine 8
Keefoot, T., & Co., Distol 3
Knox-Walker & Co., Ld., Hair Dyes xlii
Kingsley, Luminous Paints xxiv

Lambert, S., & Co., Drugs & Essential Oils.. 20
Lang, Jules, & Son, Medical Glassware 29
Lanrsheas, Wickstead & Co., Ltd., Acid .. xxi
Latty V. Corn Cure xxvi
Leicester Rubber Co. xxx
Lennon, Ld., Drugs viii
Lennox Foundry Co. xxviii
Levermore, A., & Co., Ld., Precipatated Chalk xlii
Lewis, A. J. C., Photographic 8
Linton, Hubbard & Andrew, Saccharin,
Liquorice ....xvi, xxvi, xxxii
Liverpool Lint Co., Surgical Dressings xxix
Lloyd, Aimae & Co., Shaving Cream 27
Loftrouse & Saltmer, Ld., Health Salts .. 28
Lonabarc Trading Co., Essential Oils xxxvi
London Oil Refining Co iv
London Pharm. Refiners xix

Macnair A., & Co., Absolute Alcohol,
S.V.R., S.V M. xlii
Mack, J., Ledger ....Col. Supp
Manifold Sign Co., Display Signs xl
Matthews, Harold E., & Co., Nasal Specific xxvii
Maw, S., Son & Sons, Ld., Douches 11
May, Roberts & Co., Ld., Playing Cards ... xliv
Menolan Co., Ld , Toilet Specialities Col Supp.
Mebter, E., Showcards ....Col. Supp
Meyer, W. H., Saccharin Tablets 7
Millar, A., & Co., Ld., Orange Quinine Wine..xxiv
Mills, J. (Wigan) ....Col. Supp.
Milner's Chemical Co., Ointment 25
Mond Nickel Co., Copper Sulphate xiv
Monsanto Chemical Works, Chemicals ix
Newbery, F., & Sons, Ld., Soap and Oint-
ment .... 2?
Ni-Verae Chemical Co. 22
Nichols Chemical Co , Ld , Precipitated
Chalk vi
North, V. C., & Co., Acetic Anhydride,
Phenacetin xx
Northern Tin Canister Works xxxvii

Oldfield, Pattinson & Co., Pharm. Preps... 5
Oppenheimer, Son & Co., Ld., Influenza Cure 30
Orisol xxxiv

Page, Chas., & Co., Chemicals xv
P.A.T.A 8
Perry & Hope, Ld., Oils xx
Pharmaceutical Lanoline Co., Lanoline .. xvi
Phœnix Chemical Co. xli
Picerno, V. A., Chemicals xvi
Pickard, Ive & Rankin, Ld., Acet.-Sal. Acid xi
Potter & Clarke, Ld., Herbs, Asthma xxiii
Preston's Liverpool Distillery Co., Ld.,
S.V.R., S.V.M. xlii
Price, A. S., & Co., Ld., Saccharin 7
Pure Russian Liquid Paraffin Co. xxii

Queloh, H. C., & Co., Face Powders 18

Raworth, J. E Patent Agent xlii
Reynolds, A. T., Thermometers xxiv
Rigaud-Chapelle, French Proprietaries, &c. 19

Roberts' Patent Filling Machine Co. 29
Robinson & Sons Ld., Boxes 16
Roques, Ferdinand, Alkaloids, Cacodylates xiv
Rosenblatt, Samson, Chemicals..........xxxix
Rozen & Co. xix
Rownson, Drew & Clydesdale, Ld.,
Machinery 29
Ruch, A., & Co., Glassware xxix
Ruddock & Co., Chemists Shopfittings Col. Supp

Saint-Raphael Cie, Tonic Wine xli
Sampson, White, & Co., French Chalk xxii
Sanitas Co., Ld., Disinfectants ....Text
Scholl Mfg Co., Ld., Foot Appliances xliii
Shadeine Co., Hair Dyes xlii
Sheldrake A. W., Celluloid Goods xxxix
Sister Lauras Infant Co , Ld., Foods...... 14
Smith, T. & H., Ld., Drugs xiii
Southall Bros. & Barclay, Ld., Foods, &c. i
Spatula Publishing Co., Books xxxix
Spring & Co., Ld , Honey 13
Staaup, G. O., Rennett 14
Stobes, C. A , & Co., Ld., Brilliantines..... 26
Swiss Bank Coap., Mercantile Banking xxi

Taylor & Co , Gums xxiv
Thames Chemical Co., Ld., Saccharin 8
Thermoorne Co. 13
Thevenaz & Co., Aniline Dyes xix
Thompson & Capper, Ld., Tonic............. 2
Timpson, John, & Co., Ld., Baby Powder.... 18
Tolkowsky, S., Russian Crude Drugs, &c .. xviii
Tomlinson & Hayward, Ld., Seeds .... Text
Tomoda & Co., Japanese Chemicals, Drugs.. xv
Tranmer, H. M. Saccharine 6
Travis, W. Saccharine Tabs. 8
Turner Bros. Asbestos Co., Ld. xliii
Turner Chemical Mfg. Co., Saccharin...... 7
Tyb, J., & Son, Tubes xxix
Tyrar, T., & Co., Chemicals vii

Van Horn & Sawtell Surgical Ligatures ... xlii
Veldt Laboratory, Skin Foods............ 17
Venesta, Ld., Tinfoil 15
Vichy Co., Mineral Waters xli
Victoas, Ld. xli
Vinolia Co. Ld. Soaps, Toilet Articles ....Cover
Viscose Co., Ld. Bottle Cappings xxvi

Waide, Thos., & Sons, Chemists' Printing xxv
Walker, G., & Son, Ld., Saline xxxii
Warrington Chemical & Drug Co., Sl. Acid..xvi
Washington Chemical Co., Ld., Magnesia .. xxii
Watford Mfg. Co., Ld., Cocoa 13
Watson & Co ., Photographics ......Col. Supp.
Watson & Co., Saccharin Tablets.......... 8
Welch & Horner, Drugs Chemicals xii
West-End Pharmacy Supply, Capsules xlii
Western Dental Manufacturing Co. .. xxiv
Westminster College of Pharmacy xxxviii
Whiffen & Sons, Ld., Emetine Salts iv
White, J. & J., Bichromates xiv
White, Tomkins & Courage Ld., Hop Oil xxxvi
Wilkinson, J. F., Chemists' Printing 24
Woodward's Gripe Water................. xxv
Wright, Layman & Umney, Ld., Perf.
Synthetics ....Cover

Youlden, E., Ld., Medical Glassware xliii

OLDFIELD, PATTINSON & Co.

TELEGRAMS: "OPIUM MANCHESTER."
TELEPHONES: CITY 984 & 4038.

A RELIABLE HOUSE FOR
All Pharmaceutical Preparations
CONCENTRATED WATERS.
CONCENTRATED INFUSIONS.
Syr. Glycerophosph. Co.
LIQUID EXTRACTS.
LEVIGATED OINTMENTS.
ESSENTIAL OILS.
"Silver Churn" Dairy Specialities.
Special Prices to Large Buyers. **Write for List.**

MANCHESTER.

Good News for Retailers of SUCRON—REDUCTION in WHOLESALE PRICES.

Retail prices as hitherto, 7½d., 1/2, and 2/3. Owing to an easier market in uncontrolled Saccharin, we are able to reduce the wholesale price of

SUCRON (Sugar Substitute)

As follows: 63/-, 120/- and 240/- per gross.

4 doz. 7½d., 2 doz. 1/2 and ½-doz. 2/3, will be sent per return, with Showcard and Window Bill for £2 . 11 . 0—this parcel retails at £3 . 11 . 6, thus realising nearly 30% on turnover, Terms: Cheque with order, direct only. 2½% may be deducted off orders value £5 and upwards.

The GREENWICH LEMONADE CO., 209 Trafalgar Road, GREENWICH, S.E.

SACCHARIN TABLETS

½-gr., 330 in 1, guaranteed.

15/- per 1,000

1 lb. (average over 7,000) ...	£5 0 0	per lb.
5 lb.	4 19 0	,,
10 lb.	4 18 6	,,
20 lb.	4 18 0	,,

SPECIAL PRICES FOR LARGER QUANTITIES.

100's, 18/6 per doz. In packets

CASH WITH ORDER. CARRIAGE PAID
IMMEDIATE DISPATCH.

RICHARD HOULT,
73 Elford Grove, LEEDS.

Saccharin Tablets

SPECIAL OFFER OF FIVE MILLION FOR IMMEDIATE DELIVERY.

Guaranteed absolutely Pure and Soluble.
Made from finest American 550 Monsanto Saccharin.

¼ grain, 330 in 1. Equal to one lump of Sugar. (Over 7,000 to the lb.)	£	s.	d.	⅓ grain, 330 in 1. Equal to most ½-gr. tablets. (Over 7,000 to the lb.)	£	s.	d.
1 lb. @	4	5	0	1 lb. @	5	5	0
2 ,, ,,	4	4	6	2 ,, ,,	5	4	9
4 ,, ,,	4	4	0	4 ,, ,,	5	4	6
7 ,, ,,	4	3	6	7 ,, ,,	5	4	0
14 ,, ,,	4	3	0	14 ,, ,,	5	3	0

Envelopes containing 100
UNCONTROLLED
SACCHARIN TABLETS
to retail at 1/7½ each, 15/6 per doz.
Cash with Order. Immediate Delivery.

Registered Post Free.

AUSTIN, Wholesale Chemist,
Alum Rock Road, BIRMINGHAM.

"BENNET'S"
Saccharin Tablets

The Finest yet offered. Soluble.
Immediate Delivery from Stock.

1 lb.	£7 0 0 per lb.
5 lb.	£6 18 9 ,,
10 lb.	£6 18 3 ,,
50 lb.	£6 17 6 ,,
100 lb.	£6 16 6 ,,

CASH WITH ORDER. CARRIAGE PAID.
BENNET & CO., Cromwell House,
HOLBORN, LONDON, W.C. 1.

SACCHARIN TABLETS.

Made from Best Monsanto Saccharin.
¼ grain 330 in 1.
1-lb. 80/-, 2-lbs. 78/-, per lb. 7,500 tablets to lb.
(2-oz. Sample, 10/6. ½-lb. 42/-)
Quotations for other strengths and large quantities on application.
All our tablets are sound, and according to weight advertised.
AUTO MANUFACTURING CO., Loveday Street, BIRMINGHAM.
Telephone: Central 7169.

SACCHARIN TABLETS

½-grain 330 Saccharin in 1 grain
Guaranteed.
£5 18s. 6d. per pound.
H. M. TRANMER, 42 High Street, Smethwick

Saccharin Tablets.

½ gr., 330 in 1. Guaranteed the Genuine Article.
£5 15 0 per lb. Cash with Order.
Delivery per return. Reg. post paid. Special quotations for large quantities.

HENRY BOWN, Chemist, 154 Cemetery Road, SHEFFIELD.
Telegrams 2742 Sheffield.

MEET COMPETITION!

SACCHARIN TEA SWEETENERS.

(UNCONTROLLED).

In Envelopes of 100, Retail **1/7½**
Wholesale, **19/6** per doz., less 25%.
Carriage paid. Cash with order.

A. S. PRICE & CO. Ltd., Blackheath, BIRMINGHAM

SACCHARIN TABLETS

Unexcelled quality, solubility and finish.

(¼ gr. 330 in 1)	(⅓ gr. 330 in 1)	(½ gr. 330 in 1)
12/6 per 1000	**14/-** per 1000	**18/6** per 1000
85/- per lb.	**95/-** per lb.	**126/-** per lb.
5 lb. @ **84/-**	5 lb. @ **.08/-**	5 lb. @ **125/-**
C.W.O.	REG. POST FREE.	WELL PACKED.

FRANCIS HALLAM, LTD., Rexall Pharmacy, Burton-on-Trent

HOLMIER SACCHARIN TABLETS.

REDUCTION IN PRICE. All approx. 8,000 to lb. American Saccharin

5,000 lots	...	¼-gr.	11/6	⅓-gr.	15/9	½-gr.	17/3	per 1,000
10,000	„	...	„ 11/3	„	15/6	„	17/-	„
20,000	„	...	„ 11/-	„	15/3	„	16/9	„
50,000	„	...	„ 10/9	„	16/-	„	16/6	„
100,000	„	...	„ 10/6	„	15/9	„	16/3	„

Cash with Order. Reg. Post Paid. Immediate Delivery.
Orders less than 5,000 will be **6d.** per 1,000 extra.

MEYER, Manufacturing Chemists, 98 COLMORE ROW, BIRMINGHAM

Saccharin Tablets

(UNCONTROLLED).

¼ gr. 330 @ 12/- per 1,000.
½ gr. 330 @ 17/6 „

Not less than 2,000 tablets supplied. Registered postage 8d. 10,000 upwards, post paid. Cheque with order. Any quantity supplied by return of post.

W. BENNISON & CO.
59 MARK LANE, LONDON, E.C. 3.
Telephone: Ave. 3727. Telegrams: "Polychem, Fen, London."

Envelopes containing 100
UNCONTROLLED

SACCHARINE TABLETS

¼ gr., 330, @ **20/-** per dozen net.
½ gr., 330, @ **24/-** „ „
Tubes, **1/-** per dozen extra.
Special quotations for bulk.

Carriage paid. Cash with Order.
Delivery day after receipt of Order.

THE CLEVELEYS CHEMICAL COMPANY
22 & 23 Ct. Tower Street, London, E.C. 3.

SACCHARIN TABLETS

In any quantity—direct from the Manufacturer.

THE TURNER CHEMICAL MANUFACTURING CO. are the *actual makers* of Saccharin Tablets. Their tableting machinery is the most up-to-date and efficient in the country. They can assure *prompt delivery and good goods.*

A Guarantee.

The Turner Chemical Manufacturing Co. are in a position to GUARANTEE the strength of their Tablets as follows:—

½-grain—330 strength in a one grain tablet.
7,000 Tablets=one pound in weight.
Quantities up to 100,000, £1 1s. per 1,000

⅓-grain ditto ditto
Quantities up to 100,000, 17s. 6d. per 1,000

¼-grain ditto ditto
Quantities up to 100,000, 14s. per 1,000

The above prices are for Saccharin Tablets in bulk.

Special prices for larger quantities and for Saccharin Tablets packed in unlabelled bottles.

Dept. A, BROAD STREET HOUSE, LONDON, E.C. 2.

Works, SOUTHCHURCH, ESSEX.

Telephone: London Wall 7162.
Telegrams: "Urchemicam, Ave, London."

Saccharin Tablets

Buy direct from the Manufacturers to obtain the best value for money.

½-grain (330 in 1) **£5 19 0** per lb. | ¼-grain (330 in 1) **£3 17 0** per lb.

Order now for your Christmas Supply.

THE B. & A. TRADING CO.

6 St. George's Terrace, Regent's Park, LONDON, N.W. 3.

DAMANCY & CO., HARROW

SACCHARIN (Monsanto) TABLETS

¼ grain 330 in each tablet.

10/6 per 1,000; **10/-** per 1,000 for 20,000; **9/6** per 1,000 for 100,000. Reduction for larger quantities. Cash with order. Carriage paid.

BUY ONLY WITH A GUARANTEE AS TO PURITY.

SACCHARIN TABLETS

330, ½-gr., 1 lb. (8000) **13/6** per 1000; 330, ½-gr., 1 lb. **16/6** per 1000; 330, ½-gr., 1 lb. **20/6** per 1000. Special quotations for larger quantities. A sample 1000, ½-gr. **15/-**. A guarantee as to purity and solubility. Cheque with Order, crossed London City and Midland Bank.

WATSON & CO., Tablet Manufacturers, QUORN, LOUGHBOROUGH.

SACCHARINE TABLETS.

Finest quality. Buy direct and save money.

½ gr. 330, 5,000 at **11/9**. 10,000 at **11/6**, 25,000 at **11/3**, 50,000 at **11/-**, 100,000 at **10/9**, 250,000 at **10/6**.
½ gr. 330, 5,000 at **14/3**. 10,000 at **14/-**, 25,000 at **13/9**, 50,000 at **13/6**. 100,000 at **13/3**.
¼ gr. 330. 1,000 at **18/-**, 5,000 at **17/6**, 10,000 at **17/3**, 25,000 at **17/-** 50,000 at **16/9**. 100,000 at **16/6**. Window Bills Free. Always repeat orders, why? Because quality is good. Terms, Casb with Order. Dispatch same day as order received.

W. TRAVIS, 203 Whitecross Street, London, E.C.1.

SACCHARIN TABLETS

Those requiring a Tablet which—
(1) Is **Guaranteed** to contain the stipulated quantity in each tablet.
(2) Is **Instantaneously** soluble even in **COLD** water.
(3) Is such as you can be proud of—Shape, Size, Colour, etc., etc.
are invited to write the actual manufacturers for KEEN prices — one thousand to one million supplied.
"Guarantee" Box 219/5, Office of this Paper

SACCHARIN TABLETS

Guaranteed ½ gr. 330 each.

Made from finest Monsanto Saccharin.

14/- per 1,000 10,000 @ 13/10

Cash with order. Carriage paid.

GUEST, Chemist, PRESTWICH.

SACCHARIN 550 GUARANTEED.

337/6 per lb. up to 100 lbs.

Saccharin Tablets 100's @ 24/- per doz. Post Free by return for Cash with Order.

HENNING, Medical Hall, LARNE.

P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The prices announced below came in force November 23:—

Advert. Price.		Minimum Retail Price.	Minimum Wholesale Price.
1/-	**Allcock's** Porous Plasters	1/-	9/- 8/6 by gross
	Kerfoot & Co.'s Goods:—		
9d.	"Marble" tins Medicated Pastilles	9d.	5/- net
1/4	" " "	1/4	9/6
2 oz.	"Four Courts" and "Rhone" Eau de Colognes	2/6	22/-
4 oz.	" " "	5/-	42/-
21/-	**Maxim** Pipe of Peace	21/-	16/6
	Vichy Celestins—		
	Large	16/3 dozen	13/9 dozen
	"	65/- case of 50	55/- case of 50
	" Small	11/3 dozen	9/9 dozen
	"	45/- case of 50	38/- case of 50
	" Splits	6/6 dozen	5/9 dozen
	"	51/- case of 100	45/- case of 100
1/6	**Wander** Brand Phena Pastilles ...	1/6	13/6
1/-	" " Boro Lanoline ...	1/-	9/-
1/6	" " Hæmorrhoidal Salve ...	1/6	13/6

(Same discounts as in Year Book)

SACCAS SWEETENING TABLETS

One tablet guaranteed equal to large lump of SUGAR.

In lots of not less than 5,000, 10/- per 1,000.

Special Terms for Large Quantities.

Cash with order. Carriage Paid. Immediate Delivery.

THE THAMES CHEMICAL CO., LTD.

12 Norfolk Street, W.C. 2.

We Develop Films and post back Next Day
" & Print " " " in Two Days

Plates, Flat or Roll Films developed, printed, enlarged, retouched, etc. We lay our works out to supply Pharmacists with good work at reasonable prices, with quick dispatch. Price List on application. Monthly accounts without fuss.

ARTHUR J. C. LEWIS, The Chemists' Photographic Printers, NEW BARNET.

GLYCERINE!

I can now fill orders for my "MANALBINÉ TOILET CREAM." This is a first class preparation, made with B.P. Glycerine. It is a non-greasy thick white liquid and has big sales PRICES.

Carriage Paid on £3 order.	6d. cost.	9d. retail.	These Prices must not be cut
	1/- "	1/6 "	
	1/10 "	2/9 "	

Remittances (or 2 good trade references) must accompany order. Showcards

Sole Maker, **W. J. Kearney, M.P.S. Hawick, Rox.**

SCIENTIA B&B Co DILIGENTIA

READY SELLER

GOOD PROFIT

"ZOTAL" LINIMENT

THE HOUSEHOLD REMEDY.

COUNTER BILLS supplied

RELIEVES
Rheumatic Lumbago,
Sciatica,
Muscular Pains,
Stiffness of the Joints,
Neuralgia,
Colds, Sore Throats,
Chilblains, Etc.

Full directions for use enclosea.

Price 1/3 per bottle.

SOLE PROPRIETORS:
BURGOYNE,
BURBIDGES & Co. Ltd.
East Ham, London, E.

THE HOUSEHOLD REMEDY.

SHOW-CARDS supplied

PRICE 10/6 DOZ.

Telegrams: "Zotalene, Phone, LONDON."
Telephone: EAST HAM 686 (four li es).

"FARRIS'S"

GENUINE CARNAUBA WAX

HIGHLY REFINED

PARAFFIN WAX B.P.

GENUINE WHITE & YELLOW BEESWAX

AT COMPETITIVE PRICES.

CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.

Works—HELMET COURT, BISHOPSGATE, E.C.

Telephones: LONDON WALL, 9397 and 9398. Telegrams: "WAXINESS (LED) LONDON."

BISHOP'S PIPERAZINE CITRATE

A REMEDY OF ESTABLISHED AND DEFINITE VALUE

IN GOUT, LUMBAGO, SCIATICA, NEURITIS, GRAVEL, STONE, AND ALL MANIFESTATIONS OF THE URIC ACID DIATHESIS.

Prescribed by the British Medical Profession for 20 years.

The undoubted superiority of Bishop's Piperazine Citrate, and preparations containing it, is due to the stability of the salt, Piperazine Citrate, which, being non-volatile and non-hygroscopic, undergoes no change upon exposure to heat or moisture, and thus lends itself to all manufacturing and dispensing processes.

Piperazine base, on the contrary, is so volatile and hygroscopic that it cannot be manufactured or dispensed with any degree of accuracy. Hence the unreliability of all Piperazine preparations that are not made with Bishop's Piperazine Citrate.

PIPERAZINE CITRATE IS MADE ONLY BY ALFRED BISHOP, LTD.

Bishop's Piperazine Citrate is the most powerful uric acid solvent known. It neutralises twelve times as much uric acid as any other alkaline solvent, and the resulting Piperazine urate is eight times as soluble as any other urate.

Bishop's Piperazine Citrate is non-irritant and non-toxic. It does not derange the digestive functions and is easily borne by even sensitive stomachs.

Bishop's Piperazine Citrate is supplied in crystalline powder for dispensing, and also in the Granular Effervescent form and Varalettes. The value and reliability of these preparations have been established by abundant clinical experience.

WE CAN, HOWEVER, SUPPLY PIPERAZINE BASE IN LARGE OR SMALL QUANTITIES, FOR MANUFACTURERS WHOSE PROCESSES CALL FOR IT.

Prices and Particulars on application to—

ALFRED BISHOP, LTD. MANUFACTURING CHEMISTS,

48 SPELMAN STREET, LONDON, E.1.

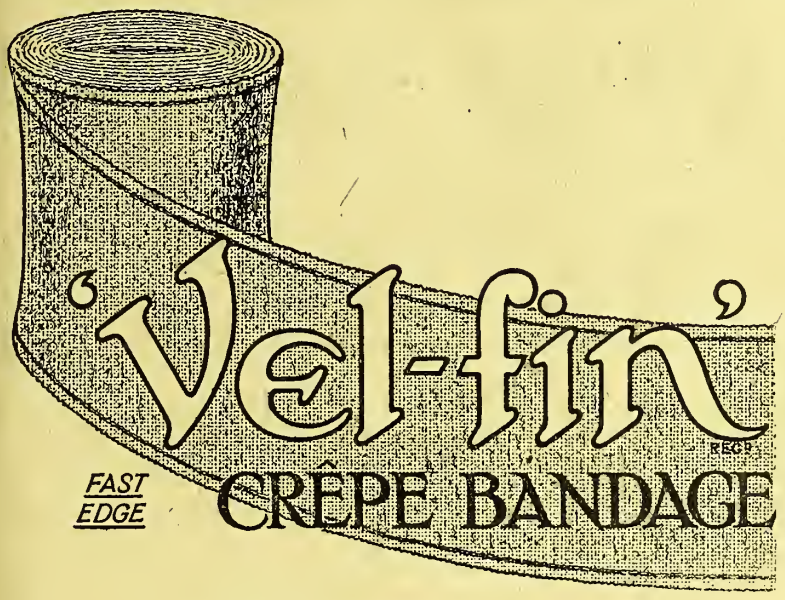
TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS: ELEVEN CENT LONDON

S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES: ELEVEN LONDON
CODE: A:B:C 4TH & 5TH EDITION

Maw's Page.

NUMBER 372. NOV. 30, 1918.



THE "Vel-fin" Crêpe Bandage is warm, soft and comfortable to the skin. It is the perfect leg support, always right, always serviceable.

The "Vel-fin" Bandage can be repeatedly washed, and it comes up as fresh and elastic as when new.

PRICES OF THIS
GREAT BRITISH
BANDAGE
ON APPLICATION.

Put up in cartons, as illustrated, in 2-in., 2½-in., 3-in., 3½-in., 4-in., and 6-in. widths. Also 8-in. and 11-in. "Vel-fin" Binders.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

SANATOGEN

Selling Prices Raised at last.

FOR nearly two years Sanatogen has been conspicuous to your customers as one of the very few good British products which have NOT cost them more.

We had hoped to keep it so; that seemed to us the soundest policy in the long run, despite the ever-growing dearness and scarcity of raw materials, labour, transport, etc., which have eaten into the margin of profit like a corrosive acid.

Only last month we re-affirmed our decision in the matter, but now we are compelled to abandon it—for the present, at any rate—by the sudden and unexpected rise in a commodity essential to the manufacture of Sanatogen.

As from October 1st, therefore, the Face Value prices of Sanatogen are as follows:—

9/6 size now	**10/9**	2/9 size now	**3/3**
5/- „ „	**5/9**	1/9 „ „	**2/3**

Though these increases do not entirely cover our own loss of profit, you will see from the following table that YOUR profits under the Face Value Scheme remain unaffected:—

New Face-Value Prices of Sanatogen with Trade Profits.

New Face Value Selling Prices per dozen.	Trade Prices per dozen.	Profit per dozen.	Percentage of Profit on Capital Outlay.	Percentage of Profit on Sale.
10/9—129/-	97/6	31/6	32·3	24·4
5/9— 69/-	52/6	16/6	31·4	24·
3/3— 39/-	30/10	8/2	26·5	20·9
2/3— 27/-	20/3	6/9	33·3	25
On Best Cash-with-Order Terms, 10 per cent. Advertising Discount.				
10/9—129/-	87/9	41/3	47	32
5/9— 69/-	47/3	21/9	46	31·5
3/3— 39/-	27/9	11/3	40·5	28·9
2/3— 27/-	18/3	8/9	48	32·4

Thus, buying on best terms and taking the largest-sized tin as a standard of comparison, your profit on capital outlay is 47 per cent., and your profit on sales 32 per cent., while you also benefit by the increased turnover to the extent, for instance, of 5d. on each tin of this size.

In brief, whenever you sell a 10/9 tin you make 3/5 profit.

GENATOSAN, LTD.

(British Purchasers of the Sanatogen Co.)

12 Chenies Street, London, W.C. 1.

(Chairman, The Viscountess Rhondda).

NOTICE

THE THERMOGENE COMPANY desire to inform their friends that the unprecedented demand for Thermogene lately experienced has taxed the capacity of the Works to the utmost. Some delay in delivery has taken place. It is confidently hoped, however, that the trouble will be overcome in the next few days. In the meantime buyers are informed that no advantage can be gained by diverting their orders to the Thermogene Company, as these will be returned with a request to apply to usual wholesaler.

More Customers

The Beverage

of Health

Will call at your store if they know you stock Vi-Cocoa because this food beverage of the people is in great demand as a tonic restorative in cases of mental and physical overstrain.

Display Vi-Cocoa in your window—it will attract many who would otherwise pass you by. Write for trade terms to-day—they are particularly favourable.

The Watford Mfg. Co. Ltd.
Delectaland —— Watford.

Vi-Cocoa

SPRING'S TABLE HONEY

"Heather,"
"White Clover,"
&c.

Specially refined and packed for table use.

SPRING & CO., LTD.
BRIGG LINCOLNSHIRE.

The largest collectors and packers in Great Britain.

FACE CREAM. TOOTH POWDER. NAIL POLISH
„ POWDER. „ PASTE. HAIR CREAM
BRILLIANTINE, Solid and Liquid. PERFUMES
VIOLET POWDER. TALCUM. TOILET OATMEAL
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.
Send for samples and quotations.

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3
PHONE—AVENUE 1945.

Do You Sell
Sister Lauras Food?

The question is often asked nowadays.
The Chemist who does not stock Sister Lauras Food is missing a good line.
Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.
It makes milk digestible and is invaluable in cases of malnutrition.
It is a thoroughly reliable line and one that brings a handsome return.

Price 1/- & 2/6 per tin. *Samples and advertising matter free on application*
SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

CAMOMILES.
NEW CROP.
WHOLESALE ONLY.
F. J. CARMICHAEL & CO.,
17 Water Lane, LONDON, E.C. 3.

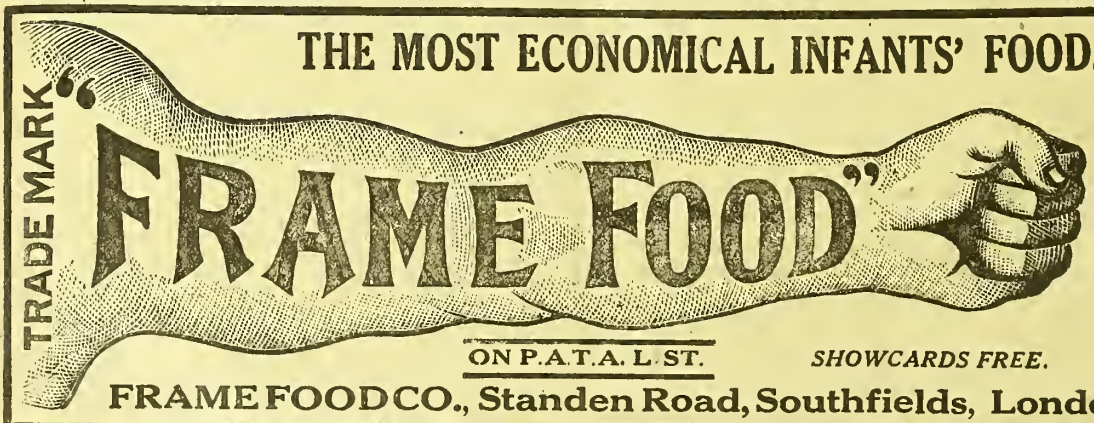
G. C. Starup's Danish Cheese
RENNET EXTRACT

STARUP'S REAL DANISH CHEESE RENNET EXTRACT is guaranteed to be made from finest calf vells only, and does not contain Pepsin or other kind of substitute.

Chemists and Druggists, please ask for G. C. Starup's real Danish Rennet Extract, Annatto Cheese Colour and Butter Colour. PRICES ON APPLICATION.

G. C. Starup's Chemical Works, Copenhagen, K., Denmark.

THE MOST ECONOMICAL INFANTS' FOOD.



ON P.A.T.A. L. ST. *SHOWCARDS FREE.*
FRAME FOOD CO., Standen Road, Southfields, London.

1868 to 1918

"How many things by season seasoned are
To their right praise and true perfection!"
—*Shakspere.*

A page of Perfumes

Our illustration is a photographic reproduction of Henri Freres' Concentrated Perfume. The bottle has an elongated stopper, and the case is in green and gold, handsomely embossed.

Assorted Flower Odours, per dozen, 20/- ; 6 dozen at 19/-

Plush Case Series

8117	One stoppered bottle, in strikingly handsome plush case ... ... per dozen	60/-
8118	Two stoppered bottles, ditto ... ... ,,	96/-
8119	Three stoppered bottles, ditto ... ... ,,	126/-

Cased Perfumes

B7	Large looking, ½-oz. stoppered bottle, in case, per dozen	16/-
B20	,, ,, 1-oz. ,, ,, ,, ,,	20/-
C1	1-oz. stoppered bottle, in red imitation leather case, with gold decoration ... ... ,,	24/-
L2	Two 1-oz. stoppered bottles, in case ... ... ,,	30/-

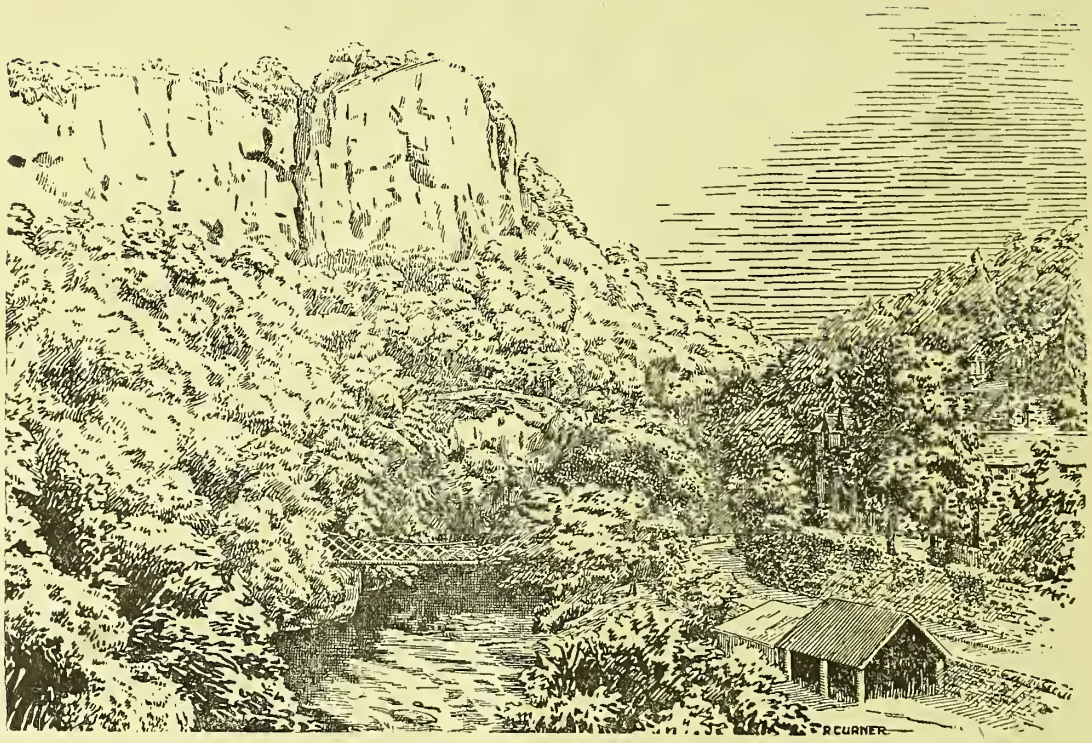
We have a wide range of Cased Perfumes, but not a sufficiency of each to warrant their inclusion in this announcement.

Let us know the prices you require, and we will send our nearest.

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **LIVERPOOL**

ROBINSONS
OF CHESTERFIELD
for Cardboard Boxes



"HIGH TOR" MATLOCK.

RISING to a height of 600 feet above the Derwent, High Tor stands like a giant sentinel guarding the beauties of Matlock Valley. The noble limestone crest dominates the Dale, whilst the view from the summit well repays the short but steep climb up.

ROBINSON & SONS LTD.
MANUFACTURERS OF ALL KINDS OF CARDBOARD BOXES
CHESTERFIELD & LONDON

53

Pack it under your own brand, and maintain a reputation for selling only the best. Cheap substitutes do not prove so profitable in the end!

Samples and Prices of packed "VELDT CREAM" may be had upon application.

Veldt Cream

LABEL-TITLE. COPYRIGHT

Samples and Prices of packed "VELDT CREAM" may be had upon application.

"VELDT CREAM" is *IN BULK.*

The Rapidly Vanishing Skin Food

made thick, but *just pourable*, quite inseparable, and for which there is *no substitute.*

"VELDT CREAM" is guaranteed absolutely free from Tragacanth, Glucose, or anything to dry up the skin, rendering it instead soft and white. Red, rough and chapped hands and arms become normal as if by magic.

HAVING ONLY *THIS ONE PREPARATION*, we have been laying in stocks of ingredients since the commencement of the War, otherwise "Veldt Cream" would now be unobtainable.

Owing to the enormous demand for "Veldt Cream," we are now obliged to limit each consignment to **2 Gallons only.**

PRICE 20/- per Gallon.

Or, packed in $\frac{1}{10}$ gall. bottles: 28/- per doz. (bottles free). The latter properly labelled and finished off, retailing at 3/6 each.

"Veldt Cream" may be invoiced either direct from

The Veldt Laboratory, Louth, England,

OR THROUGH OUR SPECIAL AGENTS:

AYRTON, SAUNDERS & CO., Ltd., Wholesale Druggists, LIVERPOOL.

Testimonials for 'Veldt Cream' from the Public.

31 Nevern Square, Earl's Court, London, S.W.

"SIR,—Can you tell me where I can procure your 'Veldt Cream' in London? I have used it for some years, and found it quite perfect for my hands. I always get it from —— Stores. When I went there for a fresh bottle three weeks ago they told me they had given up keeping it, and suggested an article of their own which they said was 'just as good.' I took a bottle to try, but it is most inferior to your cream, in fact really no good at all. Can you send me a bottle, or, better still, tell me where to get it from."

Yours faithfully. (Mrs.) AMY J. HODGSON.

70 Maryon Road, Old Charlton, Kent.

"SIR,—My wife has endeavoured to obtain your preparation, 'Veldt Cream,' in Woolwich and Charlton, but without success. I am therefore compelled to write for such direct. Will you please send me at above address two bottles. At the same time I shall be glad if you will inform me if you contemplate putting your preparation on sale at Woolwich, as I am informed that we are not the only people who have tried to obtain, but failed."

Yours faithfully, A. H. BADCOCK.

Proof of its Selling Qualities from the Trade.

BELL & CO., Chemists, Southend-on-Sea, write:

"Please double my last order for 'Veldt Cream.' The small size is selling very rapidly."

WANDS, LTD., Cash Chemists, Leicester, say:

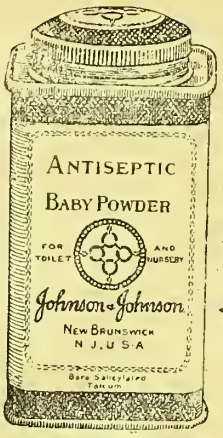
"Kindly send per return 'Veldt Cream' on order. We are quite out."

C. B. THACKER, Chemist, High Street, Saffron Walden, writes:

"Please forward 'Veldt Cream' on order soon, as I am quite sold out of it." He says later: "As soon as the 'Veldt Cream' arrived this morning there was a rush for the same, customer after customer wanting it."

KEMP & ELMITT, Chemists, Lincoln, write:

"We are losing sales daily. Let us have the 'Veldt Cream you promised to send off on Monday."



Look for the Name and Trade Mark.

WARNING.

The package is being imitated, but the contents and the trade mark are inimitable and the name of **Johnson & Johnson** is the **Hall-mark for Quality.**

Antiseptic Baby Powder

Johnson & Johnson.

Minimum Retail Selling Price P.A.T.A. 10½d. per package.
Cost 7/- per dozen net.

We are now in a position to supply THE ORIGINAL Antiseptic Baby Powder from our London warehouse.

EMPTY CONTAINERS. How to help in a War Economy.

AS it is very difficult to obtain an adequate supply of the containers for the Antiseptic Baby Powder, we consider it a National Duty at this time to endeavour to conserve these and save material and labour wherever possible. With this object in view we are prepared to make a substantial allowance for all empty containers returned to us in good condition, not scratched. For full particulars as to this allowance look for the notice which is sent out with the orders for this Antiseptic Baby Powder.

JOHN TIMPSON & CO., Ltd., 104 & 106 Golden Lane, London, E.C.1

Phone: City 6910—6911. Telegrams: "Porous London."

SOLID FACE POWDER

A. BOURJOIS ET CIE, PARIS.

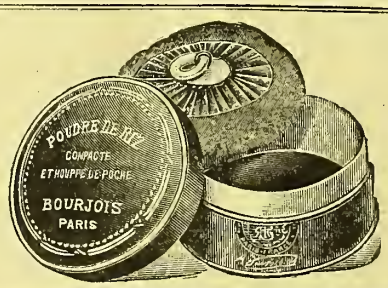
We have just received from Paris a large consignment of

No. 65 POUDRE COMPACTE WITH PUFF.

This compact Powder is acknowledged to be of the finest quality both in perfume and equality of texture.

IN SEVEN TINTS:

ROSE RACHEL
OCREE NATURELLE
MAUVE BLANCHE
ROSETTE BRUN



PRICE

8/6

PER DOZEN NET.

HENRY C. QUELCH & CO.

4 & 5 LUDGATE SQUARE, LONDON, E.C. 4.

LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.

LONDON AGENTS:
COX, JOZEAU & Co., 49, Haymarket, S. W.

CHAPOTEAUT'S
CAPSULES of
PHOSPHOGLYCERATE
of LIME.

THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.

Sold by all Chemists.
Wholesale: 8, Rue Vivienne,
PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES

MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.

It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

SOLD BY ALL DRUGGISTS.

CHANDRON'S
DROPS
(Gouttes des Colonies)

A harmless antiseptic
preventative against CHOLERA-
FERMENTATION - INDIGESTION
& other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

GIBBS *to the* FRONT

In spite of the enormous demand for our advertised specialities:

Cold Cream Toilet Soap and Shaving Soap

we are pleased to inform our numerous patrons that we are now in a position to execute orders for the same with very little delay.

D. & W. GIBBS, Ltd., *City Soap Works,* LONDON, E. 1.

ESTABLISHED 1712. ROYAL WARRANT HOLDERS.

SAML. LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

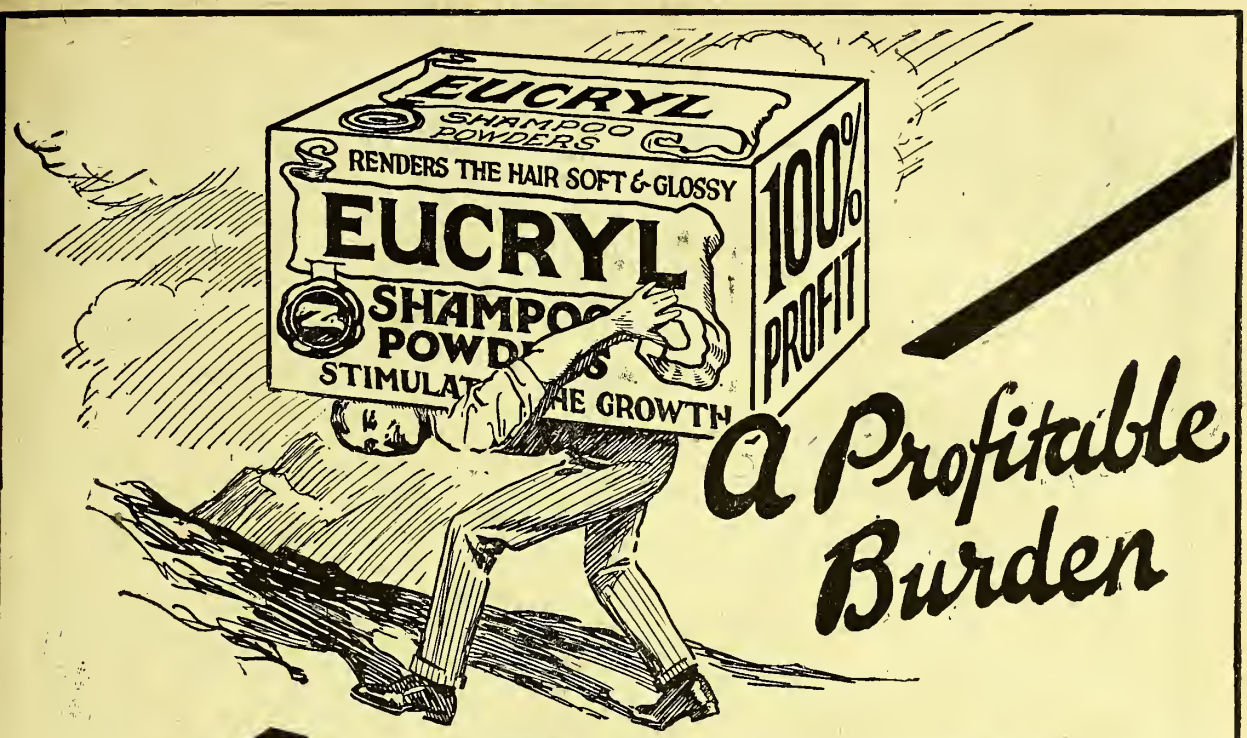
CRUDE DRUGS & ESSENTIAL OILS.

A few Specialities :—

ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICKSILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

Sole Agents for :

Oils: Lemon, Bergamot, Orange; Terpeneless Oils: Lemon, Bergamot, Orange.—*Fratelli de Pasquale & Co., Messina.*
Bay Rum and Bay Oil.—*Bornn, St. Thomas.*
Essential Oils, Drugs, Chemicals, &c.—*National Aniline & Chemical Co., New York.*



a Profitable Burden

CARRY THE STOCK THAT PAYS!

183% PROFIT

The reward is rich. Delighted ladies fill your shop asking for more and more packets of "Eucryl" Shampoo Powders. It makes their hair so glossy, so soft, so easy to manage. Ladies are discriminating, ladies are appreciative —they tell one another when they have found a speciality that pleases them.

Further:

EUCRYL

SHAMPOO POWDERS

leave a magnificent profit for you. 183% looks well in your returns. Start to-day introducing "Eucryl" Shampoos to your customers. The contents of the packet are of the very finest quality, delicately perfumed, and are sure and certain sellers. Write for trial order at once by filling in attached coupon.

EUCRYL LIMITED

61-63 LANT STREET,
SOUTHWARK, S.E. 1.

COUPON.

Please send me 3 dozen boxes of EUCRYL Shampoo Powders (8 2d. packets in a box) together with 1¼ doz. boxes as Free Bonus, for which I enclose cheque value 24/-

Name.....

Address.....

"C. & D." EUCRYL Limited, 61-63 Lant Street, London.

WANTED 1,000 CHEMISTS

to send now cheque for £2. For this they will receive 4 gross of the well-known 2d. "WYONA" Hair Shampoo @ 10/- per gross (£2), with one gross free of all charge. All goods sent carriage paid in free case. This actually means that the goods will be delivered to you for a net sum of 8/- per gross. Selling these at 2d. each **realises you 200% clear profit.** The 2d. "Wyona" Shampoo is put up in a good white envelope in intense bronze blue and distinct red. It is a striking, artistic and rapid-selling speciality, being a non-caustic saponaceous Shampoo. Sells once, sells always. Please notefullest particulars.

Selling 5 gross 2d. "WYONA" Shampoo @ 2d. each realises	£6 0 0
Your outlay is only	2 0 0
Showing you a clear profit of	£4 0 0

We can only send one 5 gross lot on these exceptional terms to each individual Chemist in the United Kingdom. All goods carriage paid, CASH WITH ORDER TERMS only.

When sending us your order, please note to write distinctly name, number of Street, Town and County that the town is in. Also the name of the Country, whether England, Scotland, or Ireland. Write now, as this offer may be withdrawn at any moment.

SOLE PROPRIETORS AND ACTUAL EXCLUSIVE MANUFACTURERS—

NI-VERRE Chemical Company,

5, 6 & 7 Ormeau Avenue, BELFAST.

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

The Super Paste.

SOLE MANUFACTURERS & PROPRIETORS:

A. & E. CARRERAS, *Perfumers,*

Offices: 207 King St., Hammersmith, London, W. 6.

Telephone: HAMMERSMITH 600.

Telegrams: "ESOLINDOL, HAMMER, LONDON."

The EVAN WILLIAM'S ORIGINAL Henna Shampoo

Our Business Policy

In common with practically every other trade we have to contend against the present difficulties in procuring raw materials.

The EVAN WILLIAMS' HENNA SHAMPOO is the only product of our factories. We rely solely upon this for our business and are therefore the Henna Specialists. This fact is of the greatest importance to dealers because the maintenance of our sales depends entirely upon the extremely high standard of quality associated with the name of Evan Williams.

If our clients have experienced any delay in securing consignments, we ask them to realise the difficulties with which we have to contend, and assure them it is our strict business policy to ration our stock and share it equally among our many friends.

The EVAN WILLIAMS Co. Ltd.
18 & 18a OGLE St. FOLEY St. LONDON W.1.

(1)

BCGA

The Verdict of Science

has long been given in favour of radiation as a method of warming dwelling-rooms.

Radiant heat is as healthful as the rays of the sun because, like those rays, it warms solid objects without raising the temperature of the surrounding air, which is only slightly heated by contact with the warmed solids. At the same time the radiation sets up air currents which keep a room fresh and comfortable.

With radiation there is accordingly none of the "dryness" occasioned when over-heated air, which has a high absorptive capacity, drinks in moisture from the lips, noses and eyes of the occupants of the room. Neither is additional work imposed upon the respiratory organs, as is the case when the expansion of heated air means that a greater quantity must be inspired before the necessary amount of oxygen is taken into the body.

Hence the modern gas fire—which investigations made at Leeds University show to give out between 70 and 80 per cent of its heat in the form of radiation—is the ideal agent for heating living rooms; while it has been clearly established that national interests will best be served by the use, wherever they are available, of efficient and economical gas fires.

Write for further particulars to

THE BRITISH COMMERCIAL GAS ASSOCIATION

47 *Victoria Street, Westminster, S.W.* 1

X4rd

SPECIAL

Imperia ... 22/6 lb
Spring Lilac ... 20/6 lb
Empire Violet 20/6 lb

CREATIONS

Nemesia ... ... 20 6 lb
Empire Lily ... 18/- lb
Fougeria ... 18/6 lb

INTENSE PERFUMES

IN = No. 48 = BULK

We offer a choice of 36 varieties of the usual perfumes but of an exceptional strength and quality under the above number

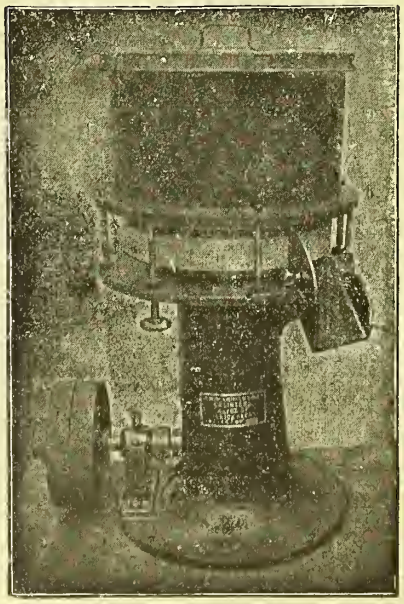
15/6 per lb. 10-lb. Lots at 15/- per lb.

We pack a range of Perfumes to retail from 1/- to 21/- in smartly labelled and finished bottles and cases, and recommend

P. 121	Non-Alcoholic Perfumes in Pedestal Cases	17/6	per doz.
P. 122	,, ,, ,, in Velvet-lined Jewel Cases ...	21/6	,,
P. 123	,, ,, ,, in Lighthouse Cases	25/6	,,

THE EMPIRE PERFUMERY CO. (Cuxson, Gerrard & Co., Ltd. Proprietors) **OLDBURY.**

TABLET MACHINERY.



OINTMENT MILL.

Machines in eight sizes suitable for all requirements for Tablets from 2 inches diameter to Hypodermics; also for Cubes, Octagons and fancy shapes.

PUNCHES AND DIES FOR ANY MAKE OF MACHINE.

Ointment Mills, Gelatine Pill Coaters, Gelatine Capsule Machinery and all general Pharmaceutical Machinery.

S. W. WILKINSON & CO.,

ENGINEERS LEICESTER.

"CUTICURA"

The demand for CUTICURA SOAP and CUTICURA OINTMENT having in certain districts exceeded the available supply, arrangements are now completed whereby arrears are being rapidly overtaken.

There is no difficulty in obtaining Cuticura through the usual channels.

F. Newbery & Sons, Ltd. (Sole British Depôt) Charterhouse Square, London, E.C. 1

"PLANO"

The best thing out for Rough Skin and

CHAPPED HANDS.

Sold everywhere at the popular price—3d.

TRADE PRICES: 6 doz., 12/- net: 12 doz., 23/6, carriage paid.

13 to the dozen for Cash with Order.

Discount Orders of 20/-, 2½%; £5, 5%; £10, 7½%.

SPECIAL OFFER.

13 doz. Tablets, with Advertising Matter, 23/6, less 2½% (£1 2s. 11d. net). Cash with Order.

Recent Testimonial. *October 1918.*

"I am delighted with the result of 'Plano' Please send some more for my friends, who think it marvellous."

MILNER'S CHEMICAL CO., LIVERPOOL

'Ongard' Guarded Coil Safety Pins

REGD. TRADE MARK.

RUST PROOF.

For Surgical & Nursery Purposes.

SOLE MANUFACTURERS

GEORGE GOODMAN LTD.,

BIRMINGHAM.

Stocked by J. L. HATRICK LTD., LONDON.

BRITISH MADE

TIN FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, foodstuffs, etc. In sheets or reels—large or small quantities.

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

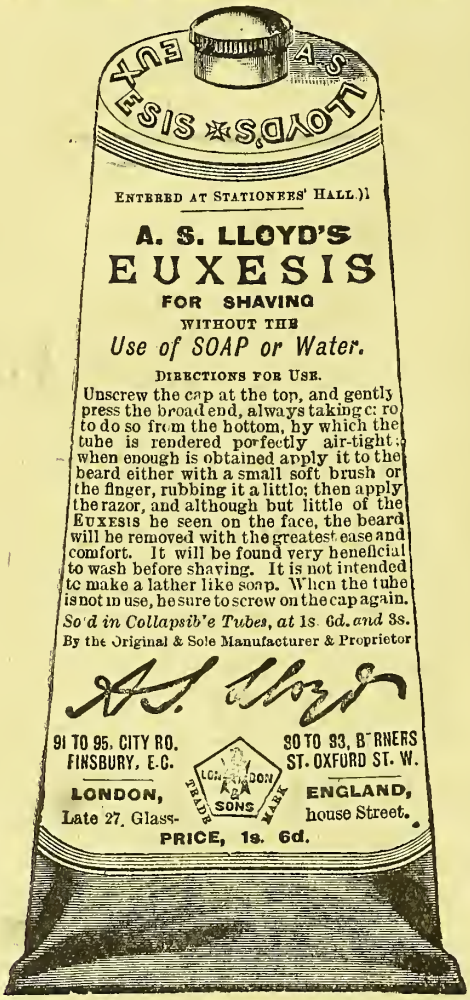
Manufactured by

Venesta Ltd.
1, Great Tower St. EC
London
England

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water or Brush.



Sold by all Perfumers and Chemists throughout the World.

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated Euxesis, the **Trade are cautioned** that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the following prices:

10/6 *per dozen;* **10/3** *by the 6 dozen.*
Retails at **1/6** *per tube;* **3/-** *size to order.*

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as Illustration.

Proprietors: R. HOVENDEN & SONS, LTD.,
LONDON: 29-33 Berners Street, W.; and 89-95 City Road, E.C.

For your Xmas Display

Make a strong feature of Anzora. It will bring the customers in. Anzora will delight a man to use whether he be in khaki or "civi's," and he is sure to recommend to his friends. The sales of Anzora Cream (non-greasy) and Anzora Viola (for dry scalps) are increasing enormously, and you should be handling some of the business. We back you with vigorous advertising and allow a good profit margin.

TRADE TERMS:

11/6 per dozen, retailed at 18/-
19/6 per dozen retailed at 30/-

Showcard sent on request.

ANZORA HAIR CREAM

MASTERS THE HAIR

ANZORA PERFUMERY CO.,
28, 32, 34 WILLESDEN LANE, N.W. 6

FOR LARGE BUYERS.

BRILLIANTINES

Bulk or Packed.

Also Vanishing Creams, Toilet Paraffins, Lime Creams, Pomade Hongroise, Tooth Powders, Dental Creams, Shampoo Powders, and All Toilet Goods.

LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,
Desk 11, 31-35 Lower Castle, BRISTOL.

(2)

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—
A. S. Lloyd in Black Ink, and that of his Widow,
Aimée Lloyd, in RED. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

23 PANTON STREET (formerly named Spur Street),
HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

YOUR LAST OPPORTUNITY

140% PROFIT!

BUY
CARMOL SKIN TABLETS NOW

These tablets have an ESTABLISHED REPUTATION.
The best SOOTHING AGENT for all SKIN IRRITATION.
As a SKIN TONIC they have NO EQUAL.

The preparation and packing of CARMOL SKIN TABLETS are *Especially Attractive.*

Special Offer closing December 3

SAMPLE ORDER.

5 gross (on Cards) @ 8/-	£2	0	0	Sold @ 1½d. each	£4	10	0
1 gross @ 24/-	1	4	0	Sold @ 4½d. each	2	14	0
	3	4	0				
Cash Discount, 4/- ...	0	4	0				
	£3	0	0		£7	4	0

Wholesale terms on application On and after D cember 4 prices will be increased by 50%

The CARMOL Manufacturing Co.
28 Bath Row (also 137 & 138 Cregoe St.) *BIRMINGHAM*

Important Notice.

In the opinion of the Law Committee of the Pharmaceutical Society,

Overton's Foot - Balm

is a Poison in Part 2 of the Schedule to the Poisons and Pharmacy Act, 1908.

Will our customers, therefore, kindly note that "OVERTON'S" should in future be labelled "*Poison,*" and bear the Chemist's label.

We are preparing some slips printed "Poison," and if holders of stock will advise us of their requirements we will forward a supply in course of post. All future deliveries will be labelled in accordance with the Act.

IF YOU DO NOT STOCK

Overton's Foot - Balm

you are missing *a really good thing.*

Retail 7½d. Costs 3 doz. 14/6 | 6 doz. 28/- | 12 doz. 54/-

Bonus—13 as 12 for Cash.

R. H. ALLEN & CO.

Manufacturing Chemists,

122/124 Wells Road, Sydenham, London, S.E. 26

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,

Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

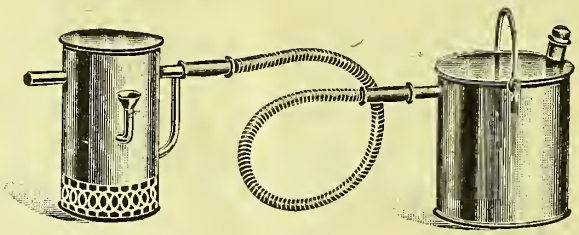
P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
" " " " " bottles in cartons	2/-	16/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-

THE "SAVARS" "VAP"



"VAP." KETTLE.

Patented.

The most efficient and economical vaporiser invented. Made on a new principle and produces a steady stream of medicated vapour. Splendid for Influenza and Bronchial affections.

Price 5/- each Net: Retail 7/6.

EVANS SONS LESCHER & WEBB LIMITED

LIVERPOOL NEW YORK LONDON

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

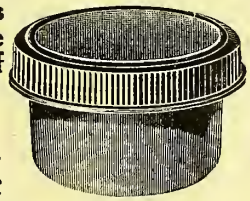
JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles.

Send us your inquiries and ask for our Stock List.



Sole Agents for the "SOLIDITE" Composition Corks, made in various sizes and colours. Samples and prices will be sent on application.

JULES LANG & SON, Charlton Works, Charlton Place, ISLINGTON, LONDON, N.1.

Telegrams: "Assorted, Nordo, London." Telephones: North 1344-5 (2 lines)

Sole Proprietor: Fernand René Lang.

for Gravity Runway, Band Conveyors, Elevator-Conveyors,

and general PLANT PLANNING based on 'Continuity of Process.' Write to-day to

ROWNSON, DREW & CLYDESDALE, LTD., (LABOUR AIDING ENGINEERS)

225 Upper Thames Street, London, E.C.4

And at GLASGOW — and NEW YORK.

USE UNSKILLED LABOUR DO WORK QUICKER, SAVE LABOUR.

Labour-Saving Machinery

FOR GLASS BOTTLE FILLING, JAR FILLING, SHALLOW TIN FILLING, FLASK, CAN AND DRUM FILLING.

Machines for filling all liquids and semi-liquids in any shape or size of receptacle. Write for particulars.

Roberts' Patent Filling Machine Co.

BOLTON.

Labour-Saving Machinery, in comparison to what it can save, NEVER COSTS SO LITTLE AS NOW.

INFLUENZA.

ANOTHER POWERFUL WEAPON.

"ACETOSAL" SUPERSEDES ASPIRIN.

British Made.

"Palatinoids" Acetosal gr. v.
"Pulverettes" Acetosal gr. v. } O., S. & Co.

The following paragraph from "The Chemist & Druggist" of October 19, 1918, should prove a timely warning to Chemists who purchase drugs in tablet form of obscure manufacture, not only containing a lesser dosage than that marked, but even including additional substances—as in this instance quoted—of a most deleterious nature :—

ASPIRIN TABLETS.

"Our subscribers should beware of certain aspirin tablets which are being offered for sale on a large scale at the present time not only to large retail buyers but to wholesale houses. A sample of these tablets offered recently as containing 5 grains of aspirin (acidum acetyl-salicylicum, B.P.) was found to contain only 3½ grains of aspirin, the weight being made up with French chalk, starch, and a reducing sugar. This fraud is likely to entail unpleasant consequences to those who do not carefully examine the tablets offered."

The "Palatinoids" and "Pulverettes" of "ACETOSAL" (acidum acetyl-salicylicum) are not only guaranteed to contain 5 grains of the purified acid, but are put up in the two well-known forms, so immeasurably superior to the tablet and other compressed types which have been proved to be so frequently ineffective.

PRICES.

"Palatinoids" Acetosal gr. v.	... ...	**5/- per gross, subject.**
"Pulverettes" Acetosal gr. v. (Flat or Round).	... ...	**3/3 „ 100 „**

Write for Quotations in any Quantity.

OPPENHEIMER, SON & Co., Ltd., 179 Queen Victoria Street, London, E.C. 4

ENTIRELY BRITISH HOUSE SINCE FOUNDATION.

'WELLCOME' Photo Exposure Record and Diary

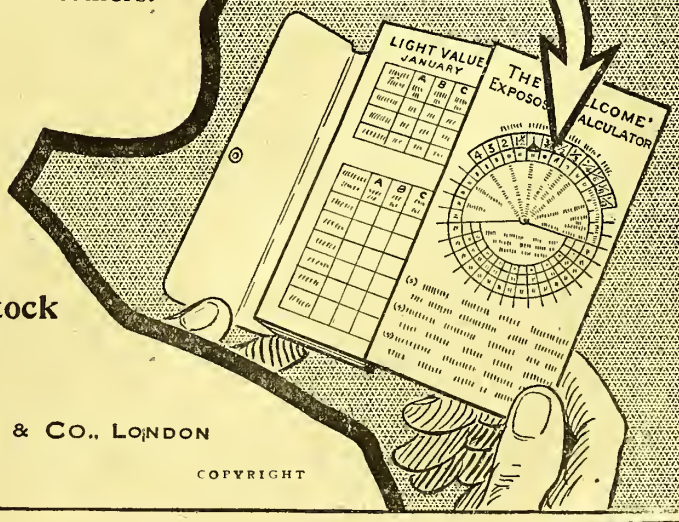
1919 EDITION Now Ready

For the 1918 edition there were more customers than copies.

The 1919 demand will be still greater.

For this reason.—You know that the majority of amateurs are "snapshotters,'" always using plates and films of the same speed. Most of them simply guessed their exposures. The calculator in this edition has been simplified especially for their use. It will pay you to mention this to your photographic customers.

The Improved Calculator makes it EASIER THAN EVER to get EXPOSURES RIGHT



The present high cost of production has necessitated raising the price to 18/0 per dozen, subject. Retail price 1/6 each.

To secure an ample stock ORDER TO-DAY

BURROUGHS WELLCOME & CO., LONDON

G. 852

COPYRIGHT

THE BRITISH DRUG HOUSES LTD.

TRADE MARK.

Revised Prices for P.A.T.A. Lines

OWING to continued advances in the cost of production the selling prices of the following articles have been increased, as from Nov. 1st:

	Retail Price (P.A.T.A.)	Wholesale Price Per Dozen, NET
CARBONIC ACID BATHS	2/3	18/-
CARLSBAD SALT (SQUIRREL BRAND)	2/3	17/6
FROZEN FOAM, small	10½d.	7/3
large	1/3	10/6

THE BRITISH DRUG HOUSES, Ltd.

22-30, Graham Street, City Road, LONDON, N.1.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

SUBSCRIPTION RATES.
FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 6*d.*; *Diary* 3*s.* 6*d.* post free. Postal orders and cheques should be crossed "Martin's Bank (Ltd.)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15*s.*, franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher
Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus, Cannon, London." Telephone Central 3617 (three lines).
Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

CONTENTS: No. 48 (Series No. 2027), Vol. 90.

	PAGE		PAGE
Bankruptcy Reports	37	Import and Export Notice	50
Birth	38	Information Department	40
Coming Events	33	Irish News	35
Correspondence:		Legal Reports	37
Letters	51	Marriages	38
Miscellaneous Inquiries	52	More Tales of Oenophus	40
Deaths	38	New Companies and Company News	37
Defence of the Realm Act Memoranda	45	Observations and Reflections	41
Editorial Articles:		Parliamentary Candidates	39
Medical Research	42	Personalities	38
Market Price Prospects	43	Retrospect	52
Shellac-cultivation	43	Scottish News	36
A Clear Majority	44	Trade-marks	40
Opium Scarcity	44	Trade Notes	40
Overseas Trade in October	44	Trade Report	49
Income-tax Reform	44	Westminster Wisdom	39
English News	34	Wills	37
General Medical Council	36	Winter Session	46

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, December 2.

Royal Society of Arts, John Street, Adelphi, London, W.C. 2, at 5 P.M. Professor Jas. C. Philip, D.Sc., on "Physical Chemistry and its Bearing on Chemical and Allied Industries" (Cantor Lecture I.).

Society of Chemical Industry, Burlington House, Piccadilly, W., at 7.30 P.M. Dr. H. G. Colman and Mr. E. W. Yeoman on "Commercial Concentrated Ammonia Liquor and its Impurities"; Mr. E. Butler Jones on "The Analysis of Commercial Pure Benzols"; and Dr. J. J. Fox and Messrs. E. W. Skelton and F. R. Ennos on "The Analysis of Aluminium Alloys and Metallic Aluminium."

Wednesday, December 4

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Western Pharmacists' Association, 316 Regent Street (opposite Polytechnic), London, W., at 8.30 P.M. Address by Mr. W. S. Glyn-Jones, Secretary of the Pharmaceutical Society.

Thursday, December 5.

Chemical Society, Burlington House, Piccadilly, London, W. 1, at 8 P.M. Ordinary meeting.

"CONTROLLED" QUININE IN TURKEY.—The Directorate-General of Health announces the sale of sulphate of quinine at 1,400 pst. per kilo. and hydrochloride of quinine at 1,600 pst. per kilo. for the chemists of Constantinople.

A SYNDICATE, with a capital of 5,000,000m., is being formed in Germany for the purchase of raw materials for manufacturers of perfumery and essential oils. A number of the leading firms in Germany have already notified their adherence. The preliminaries are being conducted by the firm of Aweka, Continental Perfumery Works, in Berlin.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Chemical Society.

An informal meeting of the Chemical Society was held at Burlington House, Piccadilly, London, W., on November 21. Some interesting and well-arranged exhibits were on view, and proved obviously attractive to the members and visitors present. The display of Ilford, Ltd., included some admirable radiograms and a "haze-remover" that increases visibility in dull weather. Boot's Pure Drug Co., Ltd., had a cleverly planned "family" of toluol derivatives, arranged so as to show the kinship between saccharin and such products as chloramine-T. Fine chemicals—*e.g.*, maltose and hydrazine sulphate—were the feature of the section occupied by Thomas Morson & Son, Ltd.; and optical glass, together with "arc-screen" glass and other modern refinements of applied science, were shown in various stages of manufacture by Chance Bros. & Co., Ltd., and the Derby Crown Glass Co., Ltd.

Defence of the Realm Act.

The "London Gazette," November 26, contains an Order in Council revoking wholly or partially a number of regulations made under the Defence of the Realm Act. Among the revoked regulations are the following:

7A. Prohibition on exhibitions prejudicing the production of war material.

9C. Power to regulate bank or public holidays.

12. Power of naval or military authority to require extinction of lights.

14E. Power to prohibit aliens, etc., from going to Ireland.

14G (2). Restriction on routes by which persons can travel between Ireland and Great Britain.

15B. Power to require particulars of goods held for enemy benefit.

17A. Power to require use of premises as public air-raid shelter.

19. Restrictions on photographing, sketching, etc., in specified areas.

26. Prohibition on displaying lights, use of fireworks, etc.

41A. Preparing and exhibiting statements regarding employed persons.

41AB. Production of evidences as to liability to military service of men of military age about to be employed.

41C. Prohibition on transmission of money or credit to or from country under blockade, other than enemy countries.

45A. Alteration of or personation or false statement with regard to certificate of exemption from military service.

45B. Production of certificate of exemption from military service.

45C. Medical examination of holders, etc., of certificates of exemption from military service.

45D. False or misleading statement for prevention or postponement of calling-up for naval or military service or medical examination.

53A. Power to require production of National Registration certificate.

53B. Testing accuracy of information given to employés.

Birmingham.

The glycerin tide has not yet arrived in this city, but business cars seem to be able to get a little more fuel than heretofore.

An advertisement of a "genuine fat-reducer" appears in the "Birmingham Mail." It seems unnecessary in these days of rationed food.

The Premier stayed with Sir Charles Mander when he visited Wolverhampton last week. Sir Charles is head of Mander Bros., of which Dr. Morell is chief chemist and research worker.

Owing to the closing of chemists' shops at 8 o'clock in the evening and the lateness of receipt of medical prescriptions, the pharmacist finds it very difficult to avoid working behind the shutters.

The Military Tribunal, of which Mr. Jeffrey Poole, Ph.C., was an active member, ceased its labours on November 20. Nearly one hundred thousand cases have been decided during the existence of the Tribunal.

The carriage of parcels by passenger train since November 1 has doubled. A pharmacist who has been sending regularly small articles which before cost from 6*d.* to 7*d.*, is now paying 1*s.* 3*d.* for the same service. Probably the parcel-post service would be equally useful in some cases, and cheaper.

The general practitioners find great difficulty in coping with the heavy demands on their services occasioned by the

prevalence of influenza. Several medical men have been released from the Army to combat the disease in South Birmingham. Most of the schools are closed. The favourite prophylactic here is 24 drops of phenol in 8 oz. of water, from a tea- to a table-spoonful for a dose. "It disinfects the throat," says the man in the street. Pharmacists, both wholesale and retail, are very busy. Spiritus mindereri has taken the place of spt. frumenti and spt. vini gall., both of which are difficult to obtain.

Leeds.

Christmas window-shows are beginning to appear, and one pharmacist says he doesn't intend to "dress" his again this year, but just fill up as sales take place.

"Shorts" are still very numerous, and the general opinion is that the Armistice has only just come in time to save the trade from a very troublesome winter as regards supplies.

The latest "boom" in some parts of the city is stick cinnamon. The younger generation, probably scenting a new experience, smoke it like cigarettes, and the older ones chew it.

Business in Leeds shows no signs of falling-off, and many cases of "flu" still remain. The doctors are working at the highest pressure, and surgery hours have gone by the board these days.

On a request for six "flu devils," a chemist thought he had struck a new remedy; but on asking for further particulars as to the method of procedure he discovered that they were a chimney-sweep substitute, and spelt with an "e."

Unofficial advice in the newspapers on the uselessness of quinine preparations has to a large extent killed the sale of tr. quin. ammon. Some men who were getting through one or two winchesters a week are now only selling odd ounces occasionally.

Glycerin is being talked about once again, and customers seem very surprised indeed that there is still a shortage. It is, however, on sale at several pharmacies at 1*s.* per oz., but the public are shy at this price. There is every possibility of a supply coming through shortly, and then there will be a boom.

Liverpool.

It is proposed to confer the honorary freedom of the city on Sir Douglas Haig and Admiral Beatty.

Miss Buchanan's address to the Liverpool C.A. in mid-December is to be the occasion of a general and post-influenza rally.

The General Election is providing many candidates; as many as five (one retiring) in Wallasey. The public, however, is apathetic.

Mr. H. Corbett Meyrick, Ph.C. (Ireland), has been appointed manager for Giles, Ltd., Great Homer Street branch, Liverpool.

Another spell of rain, adding to the already abnormally humid atmosphere, has revived the demand for cough-remedies and anti-influenza specifics. Some violent attacks of biliousness have called for urgent aid.

The trade as a whole mourns the demise of Mr. Charles Thomas, for sixteen years the manager for Mr. J. H. Egan, chemists' label printer, Fleet Street, Liverpool. Both in business and private life he was a *persona grata.*

Sir James Barr presided at a musical and dramatic entertainment of the customary high standard, given at Crane Hall, Hanover Street, by the talented staff of Ayrton, Saunders & Co., Ltd., on November 23, when about 45*l.* net was raised for the Liverpool Skin and Cancer Hospital.

The Royal Institution, Colquitt Street, the home of the Liverpool C.A., is at present devoted mainly to a war exhibition of coloured photographs, under the auspices of the Ministry of Information. The Lord Mayor and Lady Mayoress opened the exhibition, and Dr. Richard Caton (ex-Lord Mayor) spoke.

In Mr. Woolley's paper before the North London Pharmacists' Association he mentioned that under the Apothecaries Act, 1815, it is an offence for any apothecary to refuse to make up physicians' prescriptions. An interesting comment on this occurred recently on a Sunday evening. A Captain in the R.A.M.C. entered a local pharmacy, and in a peremptory manner asked for paper, as he wished to write a prescription. His manner was so objectionable that the pharmacist said he was not prepared to dispense for him, whereupon the military medical man said, "I will make you." What the pharmacist said need not be stated here, but there is at least one medical man who has learned that chemists are not under the same legal obligations as apothecaries.

Nottingham.

The prevailing epidemic of influenza in Nottingham has resulted in a great call for clinical thermometers, people who understand the dangers of a high temperature being anxious to test themselves or their relatives on the first sign of serious symptoms.

As showing the rush experienced at many pharmaceutical establishments here, one chemist estimated that on Saturday 2,000 persons entered his shop. Curiously enough, they were seeking articles quite unconnected with the influenza epidemic. The demand for throat-pastilles amounts to twenty times the quantity available, and most shops are practically sold out.

Quite a number of chemists here have drilled with the Volunteers, or assisted ambulance units to detrain and convey wounded soldiers to hospital during the war. The latter duty has not infrequently involved working far into the night, and those who have had to stand the strain, in addition to their ordinary work, are greatly relieved now that they can relinquish it. They have never begrudged their services, but have found that there are limits to human endurance.

Demobilisation promises to solve the problem of shortage of labour here, both in the chemical factories and pharmaceutical retailers' establishments. No difficulty is anticipated, so far as placing the men released from the Forces is concerned, and most of them will find situations waiting for them into which they can pass automatically. Stock-taking has fallen into disuse during the progress of hostilities, while darkened windows made window-dressing of relatively small importance. Both chemists and their remaining assistants have been overworked for the past two or three years especially, and will welcome a respite.

Sheffield.

The Sheffield Pharmaceutical and Chemical Society has sent out an appeal for funds for the War Auxiliary Benevolent Fund of the Pharmaceutical Society of Great Britain. An effort is being made to raise 250*l.* locally.

The military authorities are hesitating at the release of chemists from the Army. They are advising that the necessary forms should be filled in, so that the person may be earmarked for discharge at the earliest moment after peace is signed.

Bro. J. G. Appleton, S.W., has been installed as Worshipful Master of the Welcome Lodge No. 3779. Worshipful Bro. H. B. Billington (Barnsley), Wor. Bro. Percy Carr, and Bro. J. Gilbert Jackson were present to see their pharmaceutical colleague installed.

The Insurance Committee has decided that to reduce the hours for dispensing would not give an adequate service, and has refused to agree to the various alterations asked for during 1919, holding that the present hours were agreed to only through the shortage of staffs.

The supply of infants' and invalids' foods is causing trouble to chemists, and some feeling is being introduced, as every grocer's shop appears to have ample supplies, while chemists are only able to secure small quantities. The municipal trading requires dealing with, as it is become a very unfair competitor.

Miscellaneous.

Poisoning.—Annie Kettlewell committed suicide at Huddersfield by taking some sciatica liniment. "Suicide by poisoning" was the verdict at the inquest.

Sugar (Confectionery) Order, 1917.—A general licence has been issued permitting the sale of crystallised and glacé fruits by retail at a rate not exceeding 3½*d.* per oz.

Egg (Prices) Order, 1918.—This Order, which comes in force on December 2 and fixes the prices at which eggs may be sold wholesale and retail, does not apply to the sale or purchase of canned, dried, or desiccated eggs.

Tea Restrictions Removed.—The Minister of Food has decided to remove at the end of the month the restrictions on the quantities of tea which retailers may purchase. Food Control Committees have been notified that any systems of control in force should be discontinued.

Scientific-instrument Research.—The British Scientific Instrument Research Association, formed under the scheme of the Department of Scientific and Industrial Research, has secured premises at 26 Russell Square, London, W.C. 1, where offices and research laboratories will be equipped.

National Association of Women Pharmacists.—Nominations for the Committee of the London branch of this organisation must be sent to Miss Braithwaite, 18 Warren Road, London, E. 4, not later than December 11. It should be noted that the consent of the nominees should be obtained by the nominators.

Enemy Trading Act Order.—The Board of Trade have made an Order, dated November 23, under the Trading

with the Enemy Amendment Act, 1918, for the realisation and distribution of the assets of the business of Arnold Otto Meyer & Co., late London House, Crutched Friars, London, E.C., merchants and agents.

Public Pharmacists.—Those engaged in the Public Services are earnestly invited to a meeting at the Progressive Pharmacy Club (by courtesy of the Committee), Arundel Hotel, Victoria Embankment (Temple Station), London, W.C., on Thursday, December 5, at 7.30 p.m., when Mr. Herbert Skinner will read a paper on *The Whitley Report and its Relation to the Public Services.*

British Science and Invention Exhibition.—In view of the wide interest taken in the exhibition, held at King's College, London, during the past summer, the British Science Guild has decided to organise another exhibition next year. Part of the recent exhibition in London has been transferred to Manchester, where it will be on view shortly at the Municipal College of Technology.

Distribution of Lard.—The Ministry of Food announces that the scheme for the distribution of lard came into complete operation on November 26. Wholesalers and other direct buyers can now only obtain supplies of lard from the importers to whom they have been allotted by the Ministry of Food. Other sections of the trade have been bound by the regulations of the scheme since the beginning of October.

Sale of Food and Drugs Act.—In Camberwell during the last quarter three samples of precipitated sulphur were analysed, two being genuine, while the third had 30.8 per cent. of fixed residue on ignition, proceedings being taken against the vendor, who was fined 10*s.*, with 2*l.* costs. A similar penalty was imposed on the vendor of a sample of crushed linseed, which was 26.7 per cent. deficient in oil, and in which starch was present.

Increased Sugar Supplies.—The announcement is made by the Chairman of the Royal Commission of Sugar Supply that the drug-trade is to have an additional 50 per cent. of sugar to the quantities authorised upon their December vouchers. As the drug-trade is receiving 50 per cent. of the quantity used in 1915, it will now get 75 per cent. of the 1915 quantities. This concession also applies to sugar confectionery, pastries, biscuits, mineral waters, and other beverages (excluding beer).

Influenza at Merthyr.—Incidental to the rapid headway which the epidemic of influenza has made in Merthyr Tydfil, there has been a considerable demand during the past ten days for quinine and various disinfectants. On some days eucalyptus oil could not be obtained, but later stock was replenished. There has been a great run on camphor squares, which children wear as a prophylactic. The whole of the schools of the borough have been closed for a fortnight in consequence of the epidemic.

In the Courts.—At Tower Bridge Police Court, London, on November 21, Stevens & Co., Ltd., chemists, 97 Borough High Street, S.E., were summoned on six informations for selling unstamped patent medicines. Evidence of purchase having been given, it was further stated that only three medicine-stamps were found on the premises by an officer of Customs and Excise, and that they appeared to have been previously used. Mr. T. Morgan Davis, managing director of the company, said that the offence was committed through the original manager having been called up and a disabled man being called upon to do more than his share of the work. A recent conviction of another company in which Mr. Davis holds the principal shares (*C. & D.*, November 23, p. 37) having been proved, a fine of 48*l.*, with 2*l.* 2*s.* costs, was imposed.—At Dorking on November 20, John Akehurst, Capel, was summoned under the Veterinary Surgeons Act for acting as a veterinary surgeon without being qualified to do so. Defendant gave a certificate after examining an animal, and when this was pointed out to him he replied that he was registered. A fine of 5*l.* was imposed.—At Bow Street Police Court, London, on November 23, a man named Smith was fined 100*l.*, and thirty guineas costs, for having with other persons not in custody caused cane-sugar solution to be injected into his bladder with a view of producing results calculated to lead to the belief that he was unfit for military service (*C. & D.*, November 2, p. 36). Dr. H. Campbell Ross, for the Army authorities, said the difference between this artificially produced excess of sugar in the urine and that due to diabetes can be shown by chemical analysis.—At the Thames Police Court on November 22, Leah Myers, described as a dispenser, was charged with supplying a certain drug to a soldier to induce the belief that he was unfit for service; and Marcus Woolf Cohen, a medical practitioner, was charged with giving a false medical certificate preparatory to the commission of the alleged offence. Both defendants were remanded on bail in two sureties of 100*l.* each.

Dye-production.—To the Board of Trade the Executive Council of the Association of British Chemical Manufacturers have addressed a memorandum directing attention to the present situation as regards the manufacture of dyes. The Council suggest that an immediate co-operative effort is needed to establish the industry on an adequate scale, and that a wider interest should be appealed to. They point out that the manufacture of dyes being an integral part of, and dependent upon, the operations covered by the chemical-manufacturing industry as a whole, Government officials should consult the Association more closely than hitherto. The manufacture of the greater proportion of essential intermediates should be carried on at the existing chemical-works, leaving the actual production of the finished colours to be in some measure centralised. No such scheme has yet been formulated, with the result that firms capable of contributing materially to dye-production have had insufficient opportunity of doing so. Unless such opportunity is given time will be lost, and unnecessary capital expenditure will be incurred in the erection of plant which already exists in whole or in part at chemical-works in this country. The Council asserts that there are in existence at the present time resources in actual colour production that have never been utilised, and that unless co-ordinated action is set up to a much greater extent than hitherto the problem of meeting external competition in peace-time will be more difficult and dangerous than is at present foreseen. The development of a British organic chemical industry, capable of keeping abreast of industrial achievements in the synthetic production of dyes, drugs, explosives, poisons, etc., is essential to the safety of the Empire. Thus the dye-industry should be intimately co-ordinated with the other sections of organic chemical industry if the success of the whole is to be assured. To this memorandum the Dyes Commissioner has replied that the latest scheme which Government propose to adopt in order to assist the dye-industry provides for representation of the Association on the Trades and Licensing Committee. The Association does not consider that the appointment of one representative of chemical industry out of nine members of the Trades and Licensing Committee is adequate, and, considering the national importance of the matter, most people will agree.

Irish News.

Brevities.

Mr. J. C. Culbert, Ph.C., Secretary of the North Irish Pharmacists' Association, has been seriously ill, and is now recovering.

Sir Charles Cameron has resigned the position of analyst to North Tipperary County Council, which has advertised for a successor at 35*l.* per annum.

Messrs. S. Whelan and J. French have a very fine window-display at their new pharmacy, 60 Patrick Street, Cork. The shop is tastefully and well fitted out.

Business in Cork during the month has been very slack, but in some directions there was an improvement. On the whole the public does not appear to be inclined to make purchases at present.

Cork chemists still find difficulty in getting bottles of all descriptions, particularly dispensing-bottles. However, with improved cross-channel shipping which has now been secured the outlook is more promising.

Lieutenant Alexander Dundee, Royal Irish Rifles, brother of Mr. Jas. Dundee, Ph.C., University Road, Belfast, attended the Investiture at Buckingham Palace on November 23 and received the Military Cross from the King.

The Committee of the Co. Tipperary Infirmary have accepted the tender of F. Storey, Ltd., Belfast, for the supply of drugs and appliances at abatements of 12½ and 15 per cent. respectively off list-prices. The Bailieborough Guardians have declared Boileau & Boyd, Dublin, contractors for drugs, and S. Connor & Sons, Newry, for appliances.

Further evidence was heard at Belfast on November 21 in the case of Nathaniel Osborne McConnell, Medical Hall, 115 North Street, Belfast, who is charged with the murder of Mary Jane Reid, aged twenty-six (see *C. & D.*, November 23, p. 36). Mr. James Maxwell, manager of Ben Clarke & Sons, wholesale druggists, Belfast, produced the account of the prisoner from July 1 till September 30 of this year. All the drugs and other articles mentioned in the invoice were entered as "To Goods." On July 10 6 lb. of ext. ergot. liq. was sent to Dr. McConnell and the same quantity on September 30. Altogether 24 lb. of the liquid extract was supplied in the quarter ending September 30. Mr. Benjamin Clarke corroborated the evidence. Prisoner was remanded for a further eight days.

Scottish News.

Brevities.

At Haddington Sheriff Court, on November 21, a Leith repairer of scales and beams was heavily fined for fraud. He charged substantial amounts for supplying agates to scale beams when he had not done so.

Complaints are to hand that thermometers sent to the National Physical Laboratory for testing (immediately the announcement was made in the *C. & D.*) have not yet been returned. Obviously chemists must continue the sale of untested clinicals, or patients must suffer.

Scottish Chemists' Retail-price List.

The following are some of the alterations in the November issue just published of the Scottish Chemists' Retail-price Lists.

Drugs.—Amidopyrin, 1*s.* 6*d.* dr.; amyli pulv. (potato), 2*d.* oz.: arrowroot, Bermuda, 6*d.* oz., 1*s.* 9*d.* ¼ lb.; St. Vincent, 1*s.* ¼ lb.; bism. carb. et subnit., 5*d.* dr.; camphor (flowers), 1*s.* oz.; tablets, 4 to oz., 3*d.* each; ess. menth. pip., 1*s.* 6*d.* oz.; ext. cascar. sag. liq., 8*d.* oz.; ferri am. cit., 2*d.* dr.; ferri quin. cit., 7*d.* dr.; glyc. pepsin acid, 1*s.* 6*d.* oz; glyc. pepsin, B.P., 1*s.* 3*d.* oz.; glycyrrh. rad., 6*d.* oz.; hellebor. alb. pulv., 4*d.* oz.; hydroquinone, 6*d.* dr.; jalap. pulv., 6*d.* oz.; troch. bismuth., 8*d.* oz; manna elect., 1*s.* oz.; mel opt., 4*s.* lb.; mel boracis, 4*d.* oz.; menthol, 7*d.* dr.; metol, 1*s.* 7*d.* dr.; ol. eucalypt., 8*d.* oz.; ol. menth. pip. (redist.). 8*d.* dr.; phenazon., 1*s.* 6*d.* dr.; potass. caustic., 3*s.* 6*d.* oz.; pot. brom., 3*d.* dr., 1*s.* 3*d.* oz.; pot. cyanid. 6*d.* oz.; quin. sulph., 2*s.* dr.; sacch. lact., 6*d.* oz.; sod. salicyl., 3*d.* dr.; syr. ferr. phos., quin., et strych., 6*d.* oz.; tinct. benz. co., 1*s.* oz.; tinct. quin. am., 8*d.* oz.

Packed Goods.—Capsules am. quin. (30-m.), 2 doz., 1*s.* 4*d.*; Gregory powder (30-gr.), 2 doz., 1*s.* 6*d.*; Easton's syr., 2-oz. bot., 1*s.* 2*d.*; tab. am. quin. (1-dr.), 25, 1*s.* 3*d.*; quin. (2-gr.), 25, 1*s.* 6*d.*; soda mints. 25, 4½*d.*

Proprietaries.—9½*d.* Allinson's barley, 1*s.* 2*d.*; Amami face-cream, 1*s.* 6*d.* and 3*s.*; Armour's ess. pepsin, 4 oz., 2*s.* 9*d.*; 5 oz., 9*s.* 6*d.*; Brand's ess. beef, 2*s.* 3*d.* and 4*s.* 6*d.* (in tins); Brand's meat-juice, 4*s.* 6*d.*; Calvert's ointment, 2*s.*; Cheltine cocoa, 1*s.* 6*d.*; Colman's mustard, 8*d.*, 1*s.* 3½*d.*, 2*s.* 6*d.*; Martindale's amyl nit. capsules, 2*s.* 9*d.*

Edinburgh.

One of the rare accidents that may every day of triumph befell a chemist who viewed the Royal progress from his pharmacy. He was invaded by a number of prospective clients, ere he had opportunity gracefully to withdraw.

Scarcity of invalids' and infants' foods still persists. Being aware of this, possibly, a local bookseller shows a big placard in his window begging people to purchase "Food for the Mind. No Restrictions. Eat More!" Years ago the proprietor of a skating-rink used to advertise that roller-skating was a mental food, but those were the days when certain well-boomed breakfast foods were plentiful.

Thursday, November 21, will go down in history as the most eventful date in 1918 or any other year. Whilst the King and Queen, with the Prince of Wales, were driving through our streets a powerful enemy fleet was being quietly shepherded by the Navy to its anchorage a few miles away, and few of the citizens knew much of the latter happening until they read about it in the newspapers. Paul Jones, a stray French privateer, or a Portuguese rover of the long ago, made more stir along the Fife and Lothian coasts in their far-off day!

One day last week a chemist opened earlier than usual; he was full of energy, and determined to get out of the muddle into which things were drifting. Realisation of the things that must be done oppressed him as he hurriedly swept out the shop. There were ten prescriptions to dispense; there were shop-rounds to fill; and the drawers where ointments, seidlitz-powders, and similar packages jostled together in happier times were like so many miniature Saharas. With a forced smile he accepted another prescription—for forty-eight pills only. With cold politeness he refused to entertain a flapper's suggestion that he should develop a film during the forenoon—"January or February of next year," he proposed—arriving at his stove just in time to catch a syrupy mixture boiling over. And when this kind of day arrives six times a week——.

Glasgow.

"Panel Practitioner's" letter to the "Glasgow Herald" (*C. & D.*, November 23) was replied to by Mr. G. S. Kitchin, who refuted the insinuations on behalf of the Burgh Pharmaceutical Committee. "P. P." foolishly returned to the charge, but was received with hot rifle-fire by Mr. Kitchin, and has since ignominiously retreated under a heavy barrage.

General Medical Council.

The 108th session of the General Medical Council, which opened on November 26, was exceptional inasmuch as no new members took their places. The Privy Council had issued an order extending the tenure of the direct representatives, whose election fell due at this time, another year. No successor had been found for Mr. Meredith Townsend, M.R.C.S., L.S.A., who joined the Council only last year, representing the Society of Apothecaries, and who had since died. Drs. Hepburn and Littlejohn sent apologies for non-attendance by reason of their military duties. Sir Frederick Taylor and Professor Symington were absent through ill-health. The President mourned the loss of two former colleagues, Dr. Robert Saundby and Mr. Brudenell Carter. The former retired last year, but it is a long time since Mr. Carter crossed swords with the late Sir V. Horsley and enlivened the debates with his polished and sometimes caustic speeches—the time when sittings dragged on for ten days or more, and when Mr. Carter deprecated "the abounding eloquence of two members who during five or six days had made 133 speeches."

The President's address, which covered a wide field, was punctuated by applause. Referring to the strain upon medical men in civil practice, he said it had been arranged that the release of teachers in the medical schools should have special consideration, the influx of students returned from active service making this urgently necessary. The number of medical students in May 1918 was 7,630, nearly 1,000 in excess of those in January 1917, and of these 2,250 were women. The number of newly qualified practitioners would this year, however, be below the average, and the prospect of a considerable addition to the ranks of qualified dentists was not encouraging. With regard to the penal business, the President noted with gratification that sustained complaints of culpable laxity in granting certificates had practically ceased. The warning notices issued by the Council had been effective.

The request of Miss Frances Harris, M.B. Lond., registered as c/o Mrs. Bridge, Windy Knowe, Darwen, for the removal of her name from the Register as she had ceased to practise, was acceded to. It was agreed that the qualifications granted in Saskatchewan and the North-West Territories should be recognised for registration in the Colonial list of the Medical Register. The Council spent the rest of the afternoon *in camera*. When they emerged, the President announced that Dr. Norman Moore had been appointed Treasurer in the place of Sir Frederick Taylor, retired; and that Dr. Norman Walker had succeeded Dr. Norman Moore as Chairman of the Business Committee. Dr. Moore retained his place, however, on Wednesday. The names of James A. B. Thompson, Alexander O. Schorn, and Edmund L. Haynes have been restored to the Medical Register.

Charges of Infamous Conduct.

The solicitors for Dr. Flament, charged with having given an untrue certificate for the purpose of enabling a man to avoid military service in Italy, made an application for the postponement of his case. This was refused, and the case was put down for hearing on Thursday. The Attorney-General, Sir F. E. Smith, Bart., K.C., represented the complainants, the Ministry of Munitions. The first case taken on Wednesday was that of Thomas Stoney Sharpley, M.R.C.S., L.R.C.P., Burton Road, Ashby-de-la-Zouch, charged with having abused his position by committing adultery with a lady whose young daughter he was attending professionally, of which adultery he had been found guilty in the High Court. Mr. Sharpley, who appeared in khaki, having served as an officer in India till invalided out, was attended by counsel; the injured husband did not appear owing to illness, nor was he represented, so that the facts were stated by the Council's solicitor. The plea that Mr. Sharpley had not attended the lady professionally, and that he had acted as *locum tenens* in the place for only a week, did not avail, and the name of a promising young doctor disappears from the Register.

Consideration of the case of Isaac Bernard Barclay, M.R.C.S., L.R.C.P., Fairfield, Llanelly, occupied the Council between three and four hours, and was continued on Thursday.

A Scottish Chemist is relating how the few days' holiday his family had this year were spoilt. After they had chosen a village, the advance guard was sent to secure apartments. The choice made by the deputation resulted from the display of huge bunches of honesty in the windows of a house. Unfortunately, it turned out that the window-dressing was overdone.

Legal Reports.

Workmen's Compensation.—In the City of London Court, on November 25, before His Honour Judge Atherley-Jones, K.C., the case of Swan *v.* Nitrogen Products and Carbide Co., Ltd., was mentioned under the Workmen's Compensation Act. Plaintiff, Mrs. Swan, 4 Bennington Avenue, Barking, made a claim against the defendant company, Winchester House, Old Broad Street, London, E.C., for damages for the death of her son, John Heritage, who met with his death on September 3 at Dagenham Dock while working for them. Defendants paid the expenses of deceased's funeral, amounting to over 10*l.*, and now agreed to pay plaintiff 50*l.*, which was accepted. The Court approved of the settlement.

Oil-extraction Machine.—In the City of London Court, on November 26, before Judge Atherley-Jones, K.C., an action was brought by the Premier Filterpress Co., Ltd., Finsbury Pavement House, Finsbury Pavement, London, E.C., against the British Vegetable Oil Extraction Corporation, Ltd., 11 Pancras Lane, E.C., and Edmonton, to recover 55*l.* for a second-hand American steam mangle supplied for use in extracting vegetable oil. After hearing the case on June 17 the Judge ordered that the matter should be determined by the nominee of the President of the Junior Institute of Mechanical Engineers (*C. & D.*, June 29, p. 38). His report was now submitted to the Court in favour of the defendants, and judgment entered accordingly.

Saccharin Contract.—A Divisional Court, in the King's Bench Division on November 22, had before them an appeal by Crisp & Co., Ladypool Road, Birmingham, defendants in the action against a decision of the County Court Judge at Liverpool in favour of the plaintiff, Henry Martin, brokers' agent, Matthew Street, Liverpool. Plaintiff had claimed 93*l.* 15*s.* for alleged breach of contract to sell 25 lb. of saccharin at 310*s.* per lb. Plaintiff's case was that as a result of a conversation over the telephone with Mr. Crisp he bought the saccharin at the price named. On the day of the telephone conversation the duty on saccharin was raised by the Budget to 60*s.* a lb. Neither party knew at the time of the conversation of this increase in the duty. Later the defendants refused to deliver the saccharin unless plaintiff consented to pay the increased duty. This plaintiff declined to do, as the saccharin was in London, and not in bond, and defendants therefore had not to pay the increased duty upon it. Plaintiff could not get any saccharin for three weeks, and then had to pay 380*s.* per lb. Defendants, on the other hand, contended that they told plaintiff at the conversation over the telephone that if there was any increase in the duty as a result of the Budget the price would be raised accordingly. Moreover, they contended that it was a custom of the trade that duty was always added if it was increased before delivery. The learned County Court Judge found that defendants agreed to sell the saccharin at 310*s.* per lb., and made no stipulation as to the price being increased if the duty was increased. He entered judgment for plaintiff for 75*l.*, with costs. The Court came to the conclusion that the findings of the learned County Court Judge were right, and dismissed the appeal, with costs.

Bankruptcy Reports.

Re John Keefe, 118 Charing Cross Road, London, W.C.—This bankrupt, who failed in July 1904, applied last week to Mr. Registrar Francke, at the London Bankruptcy Court, for an order of discharge. The Official Receiver reported that the provable debts amounted to 2,843*l.*, while the assets, valued by the bankrupt at 5,290*l.*, had realised only 1*l.* 6*s.* In July 1903 he promoted the Alpha Chemical Co., Ltd., to work a secret process for the manufacture of disinfectants, etc., and as co-vendor he received 40,000*l.* in shares. He was interested in the flotation of several other companies, to losses in connection with which the failure was also attributed. The discharge was suspended for two years.

Re John Hunter Watts (trading as J. Hunter Watts & Co.), 39 Seething Lane, London, E.C., Chemical and Colour Merchant.—An application for an order of discharge was made on November 19 to Mr. Registrar Mellor, at the London Bankruptcy Court, by this bankrupt, who failed in May 1893. Mr. J. B. Knight, Official Receiver, reported that the provable debts amounted to 417*l.* 12*s.* 4*d.*, whilst the assets, valued at 37*l.* 7*s.* 8*d.*, had brought nothing to credit. A previous bankruptcy was reported against the applicant in October 1889, when the liabilities amounted to 2,225*l.* and no assets were recovered. A discharge from those proceedings was obtained in May 1918. Thereafter the bankrupt carried on business as a commission merchant in chemicals and colours with money provided by his wife. A further suspension of two years was imposed.

Re Svetislav Simitch (trading as S. Simitch & Son), commission agent for food produce and chemicals, 98 Great Tower Street, E.C., and New Oxford Street, London, W.C. The public examination of this debtor, who attended in custody, was held on November 26, before Mr. Registrar Mellor, at the London Bankruptcy Court. The accounts showed liabilities 2,635*l.*, against assets valued at 14*l.* 2*s.* 10*d.* Replying to Mr. J. B. Knight, Official Receiver, the debtor stated that in March 1917 he commenced business, dealing chiefly in phosphates, sodas, soaps, and saccharin. The debt of Mr. Nicol Scaliaris, the petitioning creditor, was in respect of a judgment for 59*l.* 15*s.* 2*d.* in connection with a joint venture for procuring a consignment of soap. The principal liability was 2,500*l.* due to Duckworth & Co., from whom he obtained a cheque for that amount for the purpose of procuring 200 lb. of saccharin, for the supply of which he had entered into a contract with the Bonaventura Co. The latter agreed to supply him with the goods at the price of 3,020*l.*, and he in turn sold to Duckworth & Co. for 3,100*l.* The Bonaventura Co. stipulated that he should pay the whole of the 3,020*l.* before they released the delivery order. He accordingly asked Duckworth & Co. to advance him a further 600*l.*, but they demurred, and in the meanwhile the sale contract was cancelled by the Bonaventura Co. Debtor next tried to obtain the saccharin elsewhere, but was unsuccessful, and on or about April 24 Duckworth & Co. instituted criminal proceedings, as the result of which he was convicted at the Central Criminal Court on May 31 on a charge of obtaining money by false pretences, and was sentenced to nine months' imprisonment in the second division. He lost practically the whole of the 2,500*l.* in betting and gambling. The examination was concluded, and the debtor was removed in custody.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

J. Davis (Pharmacies), Ltd. (P.C.).—Capital 2,500*l.* Objects: To carry on the business of wholesale and retail chemists, druggists, drysalters, oil and colour men, manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial and other preparations, perfumes, etc. R.O., 66 East Street, Barking.

Joint-stock Companies.—Notice is given in the "London Gazette" that the following companies will, unless cause is shown to the contrary, be struck off the Register and the companies be dissolved: Isle of Thanet Mineral Water Co., Ltd.; Patrice Toilet Specialities, Ltd.; Plants Plantoids, Ltd.

German Chemical Dividends.—Gebr. Heyl & Co. (chemical factory), in Charlottenburg, have declared a dividend of 5 per cent. The board has written off the participation in foreign companies.—The Chemical Works Walter Stromer A.-G., Rodenkirchen, have decided to raise the share capital to mk.2 million, and to change the name of the firm to "Chemische Fabriken Rodenkirchen A.-G."—According to the yearly report of the Stassfurt Chemical Works, formerly Vorster & Gruneberg, in Stassfurt, the difficulties arising from the war have had a bad effect on the business. The production of potash has suffered under the inadequate maximum selling price fixed by the Government, which in no way corresponded with the increased costs of running expenses and wages. It was only, however, the energetic working of other concerns belonging to this company which enabled the total returns to be more favourable than in the preceding year. A net profit of mk.646,241 was realised, and a dividend of 10 per cent. is announced.

Wills.

Professor Alfred Senier, M.D., Ph.D., 28 Herbert Park, Donnybrook, Dublin, who died on June 29, has left personal property of the value of 3,826*l.* 9*s.*

Mr. Alfred Mumford, Ph.C., Gillingham, Dorset, who died on September 26, left estate valued at 2,316*l.* 10*s.* 8*d.* gross, with net personalty 2,287*l.* 0*s.* 4*d.*

Mr. Thomas Dobinson, chemist and druggist, Bishop Auckland, who died on January 18, left estate valued at 2,674*l.* 17*s.* 9*d.* gross, with net personalty 814*l.* 10*s.*

Birth.

Whitehead. — At 71 Bideford Gardens, Monkseaton, Northumberland, on November 20, the wife of Robert L. Whitehead (James F. Wilkinson's Exors., Pendleton), of a son.

Marriages.

Cheshire—Bayes.—At the Friends' Meeting House, Carlton Hills, Leeds, on November 19, Reginald Arthur Cheshire, chemist and druggist, to Margaret Eleanor, daughter of Walter R. Bayes, Leeds.

Henderson—Craig.—At Dumfries, on November 9, Alexander Kello Henderson, chemist, Kirkcudbright, to Jessie Muriel, daughter of the late William Craig, Milnthird, Castle-Douglas.

Deaths.

Bennett.—At 105 North Road, Levenshulme, Manchester, on November 26, of pneumonia following influenza, Harold Bennett, aged seventeen, apprentice with Mr. John Cleworth, 56 Ducie Street, Greenheys, Manchester.

Boa.—At Edinburgh, on November 21, Catherine Glover Hawley, wife of Mr. Peter Boa, Ph.C., 64 Morningside Drive, Edinburgh.

Clark.—At Bury St. Edmunds, last week, from influenza, Olive, daughter of Alderman Owen A. Clark, J.P., chemist and druggist, Mayor of the borough, aged twenty-five.

Craven.—At 13 Gledhow Wood Avenue, Leeds, on October 29, Mr. Henry Ernest Craven, chemist and druggist, aged fifty-five.

Donnelly.—At Dungannon, recently, Mr. Daniel Donnelly, Ph.C., aged thirty-five. Mr. Donnelly obtained the licence of the Pharmaceutical Society of Ireland in 1905.

Jeanes.—At 26 Braithwaite Road, Sparkbrook, Birmingham, on November 2, Mr. George Jeanes, chemist and druggist, aged sixty-five.

Jeffrey.—At 433 King's Road, Chelsea, London, S.W., recently, from pneumonia following influenza, Sarah Anne, wife of John E. Jeffrey, chemist.

Perkins.—At Shrewsbury, on November 24, Mr. Christopher Perkins, chemist and druggist, aged seventy-five. Mr. Perkins, who was uncle to Mr. T. R. Perkins, pharmacist, Henley-in-Arden, and to Mr. G. M. Perkins, pharmacist, Knighton, passed the Modified examination in 1870, and from that year until 1906 was in business at Wyle Cop, Shrewsbury. On giving up business he took up his residence at Bridgnorth, but returned to Shrewsbury a few years ago.

Sharp.—At 4 High Street, Loanhead, on November 18, Mr. Alexander Sharp, chemist and druggist, aged thirty-one. He qualified as a chemist last year.

Vennall.—At 87 Beaconsfield Villas, Preston Park, Brighton, on November 10, Mr. George Vennall, chemist and druggist, aged seventy-nine.

Wanklyn.—At 6 West Heath Avenue, London, N.W. 3, on November 19, of paralysis, Blanche May, wife of Mr. H. A. Wanklyn, 17 Manchester Avenue, E.C. 1.

Died on Service.

Cormack.—Second-Lieutenant Sidney Cormack, R.F.A., son of Mr. John Cormack, chemist and druggist, St. John's, Corstorphine, has died of wounds in France.

Henry.—At Port Talbot, on November 18, Private Cyril Henry, late of the Royal Sussex Regiment, son of Mr. Ll. Henry, Maesycwrt. Private Henry had served his apprenticeship with Mr. L. U. Lewis, chemist, Port Talbot, and when he enlisted was employed by a Worthing chemist. He had been wounded twice, and was discharged from the Army a few months ago, but succumbed to the effect of wounds.

Lee.—Private Harry Lee, 2nd York and Lancaster Regiment, was killed in action in France on October 17, aged twenty-three. Prior to enlistment Private Lee was assistant with Mr. W. E. Metcalfe, Ph.C., the Saltaire Pharmacy, Shipley.

Loveluck.—Lieutenant Clifford A. Loveluck, 5th R.W.F., eldest son of Mr. G. D. Loveluck, Central Pharmacy, Aberavon, died in France on November 20 after a short illness. Lieutenant Loveluck was before joining the Army a dental student at Guy's Hospital, London, and saw service in Gallipoli, Egypt, and France.

Orange.—Private Percy James Orange, second son of Mr. E. H. Orange, chemist and druggist, 25 High Street, Aldershot, has died of bronchial pneumonia at Etaples, after a brief illness, aged twenty-seven. Private Orange assisted in his father's business before joining the Royal Flying Corps in 1917. Afterwards he was transferred to the Hampshire Regiment, and saw much service on the Western Front. Before he joined the Forces he had made a reputation as an enterprising newspaper photographer.

Pickering.—Corporal Richard C. Pickering, R.F.A., son of late Mr. Wade Pickering, chemist, Crowle, near Doncaster, was killed in action on November 6, aged twenty-three.

Plumbe.—Private William Plumbe has died of wounds received on service. In civil life Private Plumbe was managing director of Plumbe & Richardson, Ltd., manufacturing chemists, Mansfield.

Young.—Driver Wm. Young, R.H.A., has died of malaria at Alexandria. Prior to enlisting in the Army four years ago he was assistant with Mr. John Dall, 27 Bruntsfield Place, Edinburgh.

Personalities.

Mr. E. Neale, chemist and druggist, High Street, Chippenham, has been elected a member of the Food Control Committee for the borough.

Private G. Hindley, East Yorks Regiment, who enlisted two years ago while with Mr. J. Dent, chemist and druggist, Chesterfield, has been wounded. He is in a French hospital.

Mr. John Stainer, chemist and druggist, Sandgate Road, and Mr. John Jas. Giles, chemist and druggist, Guildhall Street, have been appointed to act on the Judicial Authority at Folkestone under the Lunacy Act, 1890.

Captain Alfred N. Johnson, A.S.C., and of Johnson Bros., Dublin and Belfast, has been appointed a Member of the Order of the British Empire for distinguished service in connection with military operations in Mesopotamia.

Sir Herbert Parsons, writing to the "Daily Telegraph," suggests that commemorative tablets should be affixed to all buildings in this country which have been struck by Hun bombs, so as to keep in memory the diabolical visitations.

Mr. Chas. F. Barrett, director of G. B. Kent & Sons, Ltd., 75 Farringdon Road, London, E.C. 1, is appealing for entertainers for overseas troops on leave at Christmas. Any of our readers willing to take in one or two soldiers should communicate with Mr. Barrett, who adds: "Even a humble home is a palace compared to the average hut or canteen."

Private E. H. Clark, Medical Unit R.N.D., who was apprenticed to Boots, Ltd., Coventry Road, Small Heath, Birmingham, has been awarded the Military Medal for gallantry in collecting wounded under heavy fire. His commanding officer adds that he has invariably been prominent for good work and fearlessness under fire while acting as a stretcher-bearer.

Mr. Herbert Oliver Lloyd, who has been elected President of the Birmingham Pharmaceutical Association (*C. & D.*, November 23, p. 46), was apprenticed with Magor, Ltd., and passed the Qualifying examination in 1907. He then purchased the business of the late G. H. Brunt, Coventry Road, Birmingham, which he has developed, and to which a wholesale manufacturing department has been added.

Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.), Liverpool, recently delivered an address before the Liverpool Philomathic Society on "The Making of Liverpool." This is a most fascinating account of the growth of this important port from a hamlet to one of the finest cities of the British Empire. Mr. Saunders has had the address printed in pamphlet form, and those who begin it will find themselves impelled by its interest to continue the perusal until the end.

The Royal Society has awarded the Rumford medal to Professor Chas. Fabry and Dr. Alfred Perot for their contributions to optics; a Royal medal to Professor Alfred Fowler for researches on physical astronomy and spectroscopy, and to Professor F. G. Hopkins for work in chemical physiology; a Davy medal has been given to Professor F. S. Kipping for his studies in the camphor group and among the organic derivatives of nitrogen and silicon; and a Hughes medal to Mr. Irving Langmuir, Schenectady, for researches in molecular physics.

The Parliamentary Election.

Candidates for seats in the House of Commons are to be nominated on December 4 for the election which takes place on December 14. Lists of candidates are already being prepared, and contain some points of interest to chemists.

Sir Richard Winfrey, Ph.C., is Coalition Liberal candidate for South-Western Norfolk, which constituency he has represented since 1906. So far no opposition candidate has been announced. Sir Richard is an authority on agriculture and the problems connected with agricultural labourers, and in the last Parliament was joint Parliamentary Secretary to the Board of Agriculture. His tact and urbanity are among the qualities for which he is known in the House.

Mr. W. J. Uglow Woolcock, Ph.C., who is the Coalition Liberal candidate for Central Hackney, is so far unopposed, and it looks as though at least one of the beneficiaries of the Pharmaceutical Parliamentary Fund will be successful.

Mr. W. Bennett, chemist and druggist, the Labour candidate for the Guildford Division of Surrey, is opposing Mr. W. E. Horne, the present member, a Coalition Unionist.

Mr. Marshall Freeman, barrister-at-law and pharmacist, and prospective Unionist candidate for the Ilkeston Division, whose candidature had also been endorsed by the Pharmaceutical Society, has withdrawn from the contest. He explains his reasons in the following letter addressed to the Secretary of the Pharmaceutical Society:

My dear Glyn-Jones.—General Seely, the sitting Liberal Member for the Ilkeston Division, against whom at the last two elections I have stood as Unionist candidate, having given assurances acceptable to Mr. Bonar Law, the leader of my party, that he will support the policy of the Coalition Government, I have been asked by the Unionist Whips on this occasion to stand aside. I was assured, however, that they appreciated the desire of the Pharmaceutical Society to have a representative in the House on the Unionist side, and that they would do their best to find me a seat.

I have intimated that the last thing I wish to do is to participate in the mad scramble for possible seats which at the present time is going on, as I think, to the great detriment of our national public life. It may be, therefore, that my opportunity will not come until after the General Election.

Will you therefore please convey to the Council of the Pharmaceutical Society my high appreciation of the honour they have done me by this selection, and I hope that at no distant date the object in view may be attained, and that I shall be in a position to give practical effect to my interest in all that concerns the well-being of the pharmaceutical profession, upon which rests a great and increasing responsibility in regard to the health of the people of this land.

With kind regards, believe me,
Yours sincerely,
Wm. Marshall Freeman.

Sir Thomas Robinson, Ph.C., who has been adopted as Unionist candidate for South Dublin, is managing director of Hayes, Conyngham & Robinson, Ltd. He was knighted when Chairman of the Kingstown Urban District Council in 1900, on the occasion of the visit of Queen Victoria to Ireland. Sir Thomas was formerly a Vice-President of the Pharmaceutical Society of Ireland.

Another chemist who proposes to become a candidate for a seat in Parliament is Mr. Norman Blacow, chemist and druggist, Lancaster. He has served in the Army, from which he has received his discharge, and the Lancashire Branch of the National Discharged Sailors' and Soldiers' Association have adopted him as their prospective representative in the House of Commons. Mr. Blacow is a native and a freeman of Lancaster, and was educated at the Friends' School. Afterwards he served his apprenticeship with Bagnall & Wilcock, obtaining other experience with Jas. Woolley, Sons & Co., Ltd., Manchester, and in London and Liverpool. He passed the Minor in 1912, and at the outbreak of the war was with Boots, Ltd. On the formation of "The Pals" Company of the King's Own Royal Lancaster Regiment, in the early days of the war, he joined them and served with them in France. In May 1915, at the second battle of Ypres, he was buried in a demolished building and severely injured. He returned to England, residing at Southport, and afterwards was given an appointment with the R.A.M.C. and had responsible duties in the Mediterranean. He served for two years and three months in the Eastern Mediterranean. He had both arms broken through an explosion on one of H.M. transports, and was on a hospital ship which was mined in a rough sea. He was finally discharged from the Army a fortnight ago. Mr. Blacow has pronounced views on the position chemists have occupied in the Army during the war. He is opposed by three other candidates—a Coalition Unionist, a Liberal, and a Farmer candidate.

Mr. Norman Blacow.

Mr. Wm. Shadforth, Ph.C., who is standing as a health candidate for North-East Bethnal Green, is opposing Sir Edwin Cornwall, who was Chairman of the National Health Commission under the late Government. Mr. Shadforth is including in his campaign condemnation of the action of the Government in passing the Venereal Disease Act, which increases the difficulty of obtaining treatment of venereal disease, encourages immorality by inviting persons to commit adultery, and prevents the recommendation of any medicament as a prophylactic for venereal disease. In regard to the National Insurance Act, the local medical men have promised to support Mr. Shadforth if he will agree to advocate payment for each visit of insured persons. Mr. Shadforth has agreed to this. Some of the local chemists are glad to have the opportunity of emphasising by means of this election what they think of the Insurance Commissioners.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative

Parliament Dissolved.

A Proclamation was issued on November 25 dissolving Parliament and calling a new Parliament.

Dentist Acts Committee.

Our Parliamentary correspondent states that what would in all probability have proved to be the final meeting of the Departmental Committee on the Dentist Acts was summoned for last week. It was found, however, that one of the members of the Committee was unable to be in attendance, and as a consequence the meeting was cancelled. No date has yet been fixed for the resumption of the inquiry, and, indeed, there may be some delay in view of the Election.

Thorium Nitrate Industry.

Questions were asked in the House of Commons on November 20 regarding conservation to the British Empire of the monazite supplies of India. The reply given by Mr. Montagu (Secretary of State for India) was that the Government of India is fully alive to the importance of preventing the Travancore deposits from falling again under foreign control. Mr. Pratt, on behalf of the Treasury, said that the question of the manufacture of thorium nitrate from monazite sand is under consideration.

Gratuity to Soldiers.

Mr. Bonar Law stated, in answering a question of Mr. Denniss', in the House of Commons on November 20, that a special gratuity would be payable to the warrant officers, non-commissioned officers, and men of the Army and Royal Air Force when demobilised on the cessation of hostilities. The gratuity would be based upon service, both as to length and nature. It would be paid to every man who had joined, either voluntarily or compulsorily, either of the Forces from August 4, 1914, up to the time of his discharge. It would also be payable to men already demobilised and to the trustees and next-of-kin of such men as had been killed, such amounts being based on the length of service as from the time of enlistment until the date of death.

The scale for men who have served overseas is to be as follows: For the private, 5*l.* for the first year, with 10*s.* per month in addition after the first year; corporal, 6*l.*, with like addition; sergeant, 8*l.*; warrant officer, Class II., 12*l.*; and warrant officer, Class I., 15*l.*, with same additions for subsequent period of service. Five years is the limit for assessment of gratuity. Five years' service entitles a private to 29*l.*, and the highest rank of warrant officer to 39*l.* The scale for the man who has done home service only is based upon the same amount for the first year—namely, 5*l.* private, 6*l.* corporal, 8*l.* sergeant, 12*l.* warrant officer, Class II., and 15*l.* warrant officer, Class I. The additions, however, are at the rate of 5*s.* for the subsequent period of service, making for the five years' service 17*l.* for the private and 27*l.* for the warrant officer, Class I.

Trade Notes.

Methylated Spirit.—Restrictions on the sale of and use of mineralised methylated spirit are to be removed as from December 2. Manufacturers will therefore be able to execute orders for spirit from their regular customers.

Overton's Foot-Balm.—The proprietors, R. H. Allen & Co., announce that they are prepared to supply poison-labels to be affixed to stocks which chemists may hold of Overton's Foot-Balm. An advertisement in this issue gives the wholesale and retail prices.

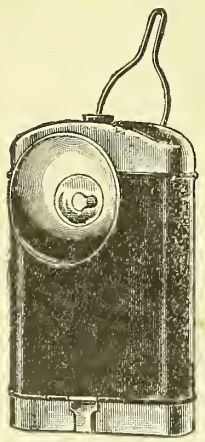
Concentrated Perfumes.—As Christmas presents Henri Freres' concentrated perfumes made by Ayrton, Saunders & Co., Ltd., Liverpool, are worth attention. The prices are given in an advertisement in this issue, with an illustration giving an idea of the high-class packing.

Hippurates.—The manufacture of the hippurates of sodium, ammonium, and lithium has been taken up by Southall Bros. & Barclay, Ltd., Birmingham. The hippurates are administered in cases of hypertension and in arterial pressure, as well as in the preventive treatment of gout and arteriosclerosis.

British Metol. — Johnson & Sons (Manufacturing Chemists), Ltd., 23 Cross Street, Finsbury, London, E.C. 2, announce that larger quantities of Metol-Johnson will be available now that the Armistice has been signed. Very large quantities have been supplied for Army purposes, and it is anticipated that the demands from that quarter will rapidly diminish.

Carmol.—The Carmol Manufacturing Co., 28 Bath Row, Birmingham, have sent us samples of Carmol skin tablets, which is the speciality in regard to which the firm is making a special offer. Carmol tablets are packed in card boxes with a hinged top, and are attached in dozens to a show-card. The colour of the packages and cards is red. The tablets sell at 1½*d.*, 4½*d.*, and 9*d.* each.

Electric Pocket-lamp.—The approach of a General Election tends to the greater use of electric pocket-lamps. Ward & Goldstone, Sampson Works, Salford, Manchester, inform us that one of the most popular lamps for the purpose is that figured here. It has a lens at the front, and an attachment so that the lamp can be hung on to a coat button. The lamp is known as "512."



Cadbury's Cocoa.—The Food Controller is still urging people to drink cocoa, so that it is not out of place to call attention to the fact that Bournville cocoa, Cadbury's cocoa-essence, and Cadbury's cocoa-and-milk powder are obtainable as usual. The last-named article is particularly popular just now, as the milk-powder renders it unnecessary to deplete further the limited domestic supplies of milk.

"Wellcome" Influenza Vaccine.—The "Wellcome" brand influenza vaccine, mixed, answers all the requirements formulated at the recent conference on preventive vaccination for influenza held at the War Office. It presents in correct relative proportions the organisms specified, and includes more than twenty strains isolated from cases occurring during the present epidemic. It is prepared at the Wellcome Physiological Research Laboratories, and each c.c. contains 60 millions *B. influenzæ*, 200 millions *pneumococci*, 80 millions *streptococci*. The first dose is 0.5 c.c., and 1 c.c. represents the "second dose" as laid down by the Conference. The vaccine is issued by Burroughs Wellcome & Co. in 1 c.c. phials and 25 c.c. rubber-capped bottles.

Wellcome Photographic Exposure Record.—It is certain that with the New Year photography will again become a popular pastime. Restrictions upon its exercise have already been removed and a reduction made in the high prices for photographic material. On this account the "Wellcome Photographic Record and Diary, 1919," should enjoy a large sale. A copy which we have received shows no influence of the war upon the quality of the production, and the literary contents are prepared with the conciseness to which the book has accustomed its readers. The two larger illustrations are a view by Mr. Merl la Voy of an American Red Cross camp in the Balkans, and a study of a silkworm on a leaf by Mr. H. Woods, Darwen. The other features—*e.g.*, diary pages and exposure meter—remain.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(*From "The Trade-marks Journal," October 16, 1918.*)

"Town Talk"; for a chemical coal-saver (1). By J. H. Pexton, 56 Devon Road, Leeds, 384,668.

"Antimick," "Aunty-mic," and "Antimic"; for chemicals (2). By J. E. C. Lord, Borough Road, Weaste, Manchester. 384,523/4/5. (Associated.)

"Enolin"; for all goods (2, 43, and 45). "Lolin"; for all goods (42 and 45). "Lu-Lu"; for all goods (43). "Lou-Lou"; for all goods (44). By A. Carreras, 207 King Street, Hammersmith, W. 6. 384,968/972/977/969/974/971/973. (Associated.)

"Protohumo"; for manures (2). By J. R. Robinson, The Half-Moon Hotel, The Square, Stockton-on-Tees. 385,153.

"Lystol Brand Antiseptic"; for medicinal chemicals (3). By J. E. Jewell, 5 Buckingham Palace Road, S.W. 1. 383,748.

"National"; for medicinal chemicals (3) and for surgical instruments, etc. (11). "Velvetone"; for perfumery, etc. (48). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 385,010 (associated), 385,035, 384,920.

Device formed from letter "P"; for all goods (8). By J. Pillischer, 88 New Bond Street, W. 1. 384,553. (Associated.)

"Limbro"; for margarine, etc. (42). "Comfy" over picture of child in bed ("Comfy" disclaimed); for goods (47). By Lever Bros., Ltd., Port Sunlight. 383,136, 382,847. (Associated.)

"Democrat," "Whippet," and "Wavelet"; for all goods (42). By H. Savory & Co., Ltd., 211 High Street, Lewisham, S.E. 13. 384,577/769/770.

"Genatosan"; for dietetic food preparations (42). By Genatosan, Ltd., 12 Chenies Street, W.C. 1. 385,040. (Associated.)

"Flavoline" on shield with device of letters "J O"; for hair lotions (48). By J. Crutzen, 127 Rue de la Gare, Aubel, Belgium. 383,466.

More Tales of Oenophus.

V.—Onne Deth by Boylynge.

Itte hath bene recorded in Thys Booke that ye Boylynge of Poysoners was a Favouryte Pastyme of Bye-Gone Dayes. Noe doubt Boylynge hath Ittes Merritts e'en atte ye Presente Tyme and ye Subjeck induceth Speculationes.

Onne can imagine Warre-Wearie Veteraynes withe Majore Qualificationes holdynge Communione withe Fryed Fyshe in ye Cooke-Houses of ye Grete Brytyshe Armie. Suche are needful, seeynge that Bacone-and-Fyshe Fryinge are Farmazootickal Operationes, whereas Expertes inne Cookerie are Ideale Dyspenseres of Medicamentes for ye Sicke and Wounded.

Boylynge inno Oylo seemeth fyttynge for ye Brayne that conceiveth Suche Brylliance.

Peradventure Ye, as Kraftsmenne, receive Requisitione from Superiore Practytioner inne Physick for a Philtre eontaynynge Strychnyne inno Halfe-Drachm Doses. After Savynge ye Face of ye Physiciane and ye Lyfe of ye Patiente your Rewarde more often Than Notte is Contumelie.

Of a Surotie, Boylynge inne Alcohole seemeth Moste Fyttynge for Such anne Occasione.

Haply ye Over-Lordes inne Farmazooticks, with Proddynges from Behynde, make Representationes to ye Powers-That-Be for a Lyvynge Wage for ye Servitores of Physick. Muche Secretcie and Manye Interviewynges withe Ministeres of ye Croune produceth anothere Poynte-Onne of a Pennie. Ye whiche is Humblie and Gratefullie Accepted.

Inne Suche Case Boylynge inne Vytriole is ye Onne and Onlio Remedie.

Information Department.

INFORMATION WANTED.

233/5. "Uro-pine" pastilles
232/57. Andrews' combination bronchitis and tea kettles
227/34. "B.L." brand tooth-powder
229/9. Martell's pills
229/9. Guymal's almond oil and syrup
238/2. Holmes' liver salt
237/24. Devi Frères brilliantine, etc.

INFORMATION SUPPLIED.

"Albion" milk and sulphur soap, 234/58
"Capsol" dyes, 234/47
Carbon bisulphide, 235/21
"Chili" paste (Smedley), 234/58
"Confellax," 230/30
Infuudin, 221/31
Langdale's cinnamon tablets, 222/60
Michel's clips for sutures, 221/60
Moller's cod-liver oil, 222/61
"Oxydoin," 221/30
Toilet-paper, 226/33

Observations and Reflections

By Xrayser II.

Fifty

is perhaps the best age of a man's life; the heats of youth, its follies, its impatience, are or should be past, and the decay of power has not only not set in but does not yet threaten us. Fifty, in fact, is not the ridge between youth and age, but is on a kind of tableland of indefinite extent on which the flight of time is less marked and our energies are more at our own command than in ascending to it on the one side or descending from it on the other. Mr. Skinner is to be congratulated on having attained it, with the prospect of retaining his full vigour for many years, and his brother pharmacists may well congratulate themselves too that such is the case. It was a graceful thing for the Progressive Pharmacy Club (or some of its members) to celebrate his Jubilee as they did; and not his personal friends only, but all who have the interests of pharmacy at heart will join with them in wishing him many happy returns of the day.

His Letter on Unrealised Ideals

is a capital illustration of Mr. Skinner's political sense. He has the true constructive faculty, and he looks before and after. There is, as he says, "The age-long conflict with the apothecaries" behind us, in front there is the widening field of medical science in which the chemist and the microscopist will find so much to do; and only by strengthening our present position by the settlement of that old dispute can we reasonably expect to occupy the place we so honourably covet in the future. Until our right to dispense is as well established as that of the doctor to prescribe further advance is not to be looked for; we must first secure our base and communications. The question of assistants and the Assistants' Union is closely connected with this. Pharmacists' and apothecaries' assistants are, as regards the nature of their work, on the same level; they ought to be a bridge for communication between the two professions, not a cause of division. A *rapprochement* between the assistants might prove a step towards a reconciliation between the two bodies they work for, and it might almost certainly be brought about by overtures from our side. If the Apothecaries' Company could be induced to give up their Assistants' examination, and it, or an equivalent Assistants' examination, were adopted by the Pharmaceutical Society and accepted by them in its place, a long step would be taken towards that complete severance of dispensing from prescribing for which virtually everybody contends as the ideal we should aim at. Surely, by a little mutual concession, so simple a matter as this theoretically is might be arranged.

Mr. Sargeant's Advocacy

of the Council Committee's organisation scheme leaves untouched all the objections I urged against it three weeks since, and needs no further criticism. It was prefaced by the astounding statement that the drug-trade is not an industry within the meaning of the Whitley Report. The pharmacist does not employ assistants, but works with "paid colleagues," and these so few and temporary that they do not count. The appearance of such bodies as the Assistants' Association, the Assistants' Union, and of the large companies with shops run entirely by employees, is therefore (we must suppose) a mere mirage; these things have no objective existence—how can they have, if we have no assistants? Such talk as this is unworthy of serious consideration, and by indulging in it Mr. Sargeant showed small respect for his audience. And what right or reason could the wholesalers have for resenting the interference of retailers associated with them in an Industrial Council? In what sense would or could there be any interference in such a case? Absolutely none. Moreover, the Pharmaceutical Society does not represent the drug-trade, but only a part of it, and that part not as an industry pure and simple, as the Whitley Report requires. Mr. Sargeant seems to have repeated all this nonsense at Bradford.

To Retire from the Panel,

as I understand a good many men are proposing to do, in disgust with the terms arranged for 1919, natural as the impulse is, would be a greater mistake now than ever, for now, if ever, the time is at hand for reaping the fruit of our past patience. To continue in the service hitherto has been regarded as patriotic; it is equally the case that not to remain in it now would be disloyal, not indeed to the State, but to the craft to which we belong. The reward I have spoken of, though the time for it is at hand, will not be secured without an effort, and only by continuing on the panel can we effectively help to secure it. How may we do this? In our official circle "war-weariness" is regarded as the reason for these threatened withdrawals, but this is putting the saddle on the wrong horse; the real reason is weariness, not of the war, but of the futile tactics of the Council. We have been fooled so long by its ineptitude that some of us are in despair of ever improving our position. As I have said, that is natural enough, but to act on the feeling is none the less a mistake; it is like cancelling a debt just when payment can be most effectually demanded. The Society has for years fed us with promises of vigorous action, and now is the time for insisting on their redemption. If this is delayed, or is unsuccessful, then will come the time for resigning in a body, but meanwhile we must remain where we can continue to press our case.

Aleppo,

like Damascus, was formerly a place of immense importance in the trade of the East, being before the discovery of the Cape route on the high-road from Europe to India. From Tripoli, then the chief port of Syria, the caravans started, and Aleppo, the great Mart—"the greatest place of traffique for a dry town that is in all those parts," said Eldred in 1583—was only a few days' journey away. The descriptions given of it and its surroundings (including its famous gardens) by Ranwolff and other travellers show it to have been as pleasant a place as it was important, and at the height of its prosperity its population is said to have been a quarter of a million. Ranwolff stayed there for some months and collected specimens of its flora for his great collection. The more important of these he describes at length in his ninth chapter. Here apparently he first met with *chaube* (coffee) and *tscherbeth* (sherbet). This was in 1573. He describes at great length the use (and abuse) of opium by the Turks. From Aleppo the caravans proceeded by way of Bir, Babylon, and Balsara, to Ormuz, and thence to Goa, by sea. Eldred (in Hakluyt) has a list of 116 articles, mostly drugs and spices, carried by this route, with the charges on each.

"Crow-Figs,"

a term which occurs in the abortive Poison Bill of 1748 cited in Mr. Woolley's address on the Jubilee of the Pharmacy Act, 1868, puzzled me until I was reminded that it is an old name for nux vomica. I cannot indeed find it under *Crow* in the Oxford English Dictionary, or in any other dictionary of standard English, but it occurs in the work named under *Nux vomica*, in a quotation from a treatise of Dr. James's (the fever-powder man), who speaks of "the crow-fig, commonly called *nux vomica*." The reason for the name may be gathered from what Gerard says of this nut: "The powder of the nut mixed with some flesh and cast unto Crowes and other ravenous fowls doth kill or at least so dull their sences that you may take them with your hands." Parkinson makes a similar statement, and Quincy says the nut is made into a paste to stupefy fish with. The term crow-fig, I have since ascertained, occurs in the English Dialect Dictionary as a Shropshire word, with an illustrative quotation. I had looked for it in vain in Nares and in Halliwell.

The German who is now anxious to fall in with the views of our countries has yet to show by actions, not merely of one or two days or one or two years, but by actions in the future, that the whole spirit of Germany has changed as we wish it to change before we can ever believe in our hearts that the German has changed from what he was before the war.—*Lord Reading.*

"SANITAS"

DISINFECTANTS

(Fluids, Powder, and Soaps).

Also
"Sanitas-Bactox" Homogeneous Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Okol" Emulsified Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Sypol" (Improved Lysol).
"Sanitas Sulphur Candles."
"Sanitas Formic Sulphugators."
"Sanitas Formigators."
"Sanitas Drain Testers."
"Sanitas Polishes."
(Kingzett's Patent)
"Sanitas Distemper." for walls.
"Sanitas Creoleum" (wood preserver).
Peroxide of Hydrogen (Kingzett's Preserved).

THE "SANITAS" CO., Ltd.,
Locksley Street, Limehouse, LONDON, E. 14.

METHYLATED SPIRIT.
M.M. Restrictions are now withdrawn.
JAMES BURROUGH, LTD.
D.1. Cale Distillery, Hutton Road, LAMBETH, S.E. 11.

LUDDINGTON'S
Lambing, &c., OILS.
Best-known house for Veterinary Preparations, Sheep Dips, Seed Dressings.
Tomlinson & Hayward, Ltd.,
LINCOLN.

Agencies undertaken
FOR
ESSENTIAL OIL DISTILLERS
Manufacturers & Shippers
OF
PERFUMERY MATERIALS
FINE CHEMICALS
SOAP MACHINERY
BY
W. H. Hobbs & Co. Ltd.
TRINITY PLACE
LONDON, E.C. 3
Telegraphic Address
"GINGERADE, FEN, LONDON."

SACCHARIN
550 Monsanto.
Apply for prices spot to
W. B. Cartwright, Ltd.
RAWDON, near LEEDS.

Sugar is not required—if
Fletchers' Concentrated Liquors
are used in place of the corresponding Syrups.
FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Medical Research.

THE Fourth Annual Report of the Medical Research Committee (Cd. 8981, 4*d.*), just issued, deals with the administration of the Medical Research Fund during the year ended September 30, 1918. Naturally, the bulk of the work done has been in connection with ailments and diseases arising out of the war, and there is not a great deal of interest for the chemist. At the General Hospital, Boulogne, Sir Almroth Wright and his assistants have continued the study of the defensive mechanisms of the body against wound-infections, provided by the leucocytes of the blood and lymph. In the department of biochemistry and pharmacology Dr. H. H. Dale has undertaken, along with Professor A. N. Richards, of Pennsylvania University, a detailed examination into the actions of histamine (β-iminazolylethalmine) and other substances upon the arterial and capillary systems. This is in relation to the physiology of shell-shock, and apparently the experimental study of the actions of histamiue, adrenaline, and acetylcholine upon the peripheral blood-vessels has thrown some light on this complex subject. In this connection also the Report states that "Vital Red" is now available in adequate quantity for blood-testing purposes. In the department of applied physiology Dr. Benjamin Moore, F.R.S., has done some valuable work on the action of light-rays on organic compounds and the photo-synthesis of organic from inorganic compounds in the presence of inorganic colloids. Dealing with the work done in the treatment of tuberculosis, the Committee reports that in Dublin Dr. Crofton, with the chemical assistance of Dr. J. Algar, has continued his experimental work on the therapeutic value of sodium gynocardate and some iodine derivatives. At the same time examinations have been carried out in another Dublin laboratory of the toxicity of a long series of synthetic dyes submitted by Dr. Algar, and determination of their powers *in vitro* of restraining the growth of the tubercle bacillus. In war-work much attention has been paid to the treatment of infected wounds and the study of antiseptics. Principal among these have been chloramine-T. and dichloramine-T., acriflavine and proflavine, and homoflavine. The last-named (prepared by Professor Pope, F.R.S., of Cambridge University) has been tried by surgeons in France working in conjunction with bacteriologists, and the results show that the bactericidal activity of homoflavine is apparently far higher than that of acriflavine under similar conditions, while in all other respects homoflavine seems to be equivalent to proflavine in use

and convenience. In the course of studying the outbreak of cerebro-spinal fever suggestions were made for methods of preparing more potent anti-meningococcus serum of standard quality. By the combined efforts of Dr. Stanley Griffith and Colonel Mervyn Gordon a new serum was evolved the clinical value of which has been found to be highly favourable. Colonel Gordon has also published a preliminary report on the experimental production of meningococcus anti-endotoxin. The medical problems of chemical warfare and the treatment of "gassed" cases have likewise led to considerable research, and the Committee conducted, on behalf of the Board of Trade, the biological testing of various preparations of salvarsan and neo-salvarsan of British and French origin. A grant for apparatus and expenses has been made towards work now being done by Captain A. F. Wright, at the Lichfield Military Hospital, upon the technique of salvarsan administration and its improvement. Finally we find that the Committee have given assistance, by the supply of apparatus, to Miss F. R. Saunders, D.Sc., in her work at Cambridge on the breeding of foxgloves. This work is primarily a study of Mendelian laws, but it has revealed unexpected interest for pharmacists. The yield of digitaline is found to be correlated with the external characters of smoothness or hairiness of the leaf, and these can be controlled by breeding on scientific principles. The Committee have provided the expenses for the necessary estimation by biological methods of the digitaline-content of many samples of leaves submitted by Miss Saunders for examination, and the work has been undertaken by Dr. W. L. Symes at the Physiological Laboratory of the London University.

Market Price Prospects.

Signs have not been wanting since the termination of hostilities, of an appreciable relaxation of the conditions governing the import and export restrictions. A fortnight ago a considerable quantity of chemicals and drugs was transferred from the "A" export list (prohibited to all destinations) to the "C" list (prohibited only to countries contiguous to enemy countries), and this week we again publish a further list (p. 48) which will be eagerly scanned by exporters. At the same time a few concessions have been made among import prohibitions, and open general licences have been granted to import almonds, aerated mineral and table waters, fatty acids, methyl alcohol, perfumery and toilet preparations, photographic apparatus, soap, etc. As the weeks roll by and increased tonnage becomes available these relaxations of restrictions will no doubt be considerably extended; and as we close for press we notice the United States has removed the export embargo on many drugs and chemicals. This, together with the substantial reduction in freights and insurance (the latter in some important instances from one-eighth to three-eighths per cent. only), should make for a decline in the price of raw materials, and this is already observable in Mincing Lane—*e.g.*, there has already been a decided reaction in spices like pepper, ginger and cloves, while at the auction sales last week nutmegs and mace declined over 50 per cent. in value. This is, of course, an indication of what may happen in other produce as larger supplies become available. Seeds like coriander, cumin, dill, canary, fenugreek, and fennel, have all more or less a downward tendency as buyers are not keen on operating. Sugar has become much more plentiful as evidenced by the increased allotments to manufacturers, including druggists. The increased supply has naturally had a demoralising effect on saccharin, and it is only a matter of time when the use of this sweetener will be confined to aerated-water makers and food-manufacturers. Meanwhile there are likely to be much larger supplies of toluol available shortly, as the intention to terminate Government contracts has been announced; the same applies to benzol, ammonia, and ammonia products (with the exception of sulphate of ammonia), so that customers will be able to get their full requirements without difficulty and at lower prices. Carbolic and cresylic acids are also practically free of control. So far there is no alteration in price, but it is anticipated that early in 1919 a decline in the present high values must be expected. There has been a large demand for carbolic acid for Japan, but this may now cease, and peace-time industries at home will no doubt compensate to some extent for the loss of Government trade. Among other druggists' articles, largely increased supplies of crushed linseed have lately been released by the Ministry of Food to cope with the active demand by the public for influenza treatment. Arrangements have also been made to release better quantities of pharmaceutical castor oil through the Drug Club, but of course the general situation in fixed oils must be dominated by the question of imports and tonnage. Glycerin, as intimated a fortnight ago, is now available for industrial purposes at lower prices. As regards perfumers' synthetic raw materials, a considerable reduction is looked for in coumarin, heliotropin, terpineol, artificial musk crystals, vanillin and so on. During the war many of these products have been obtained from Switzerland and Holland, but whether they were wholly manufactured in those countries is extremely doubtful: at the same time, the industry has been very profitable to those neutrals. There is, of course, little room for a decline in salicylates, phenazone, aspirin, and camphor at the moment; citric and tartaric acids may remain much as they are, being governed by stringent conditions at primary sources, but cream of tartar is lower. Several of the synthetic and pharmaceutical chemicals made in the United States, like acetanilide, bromides, chloral hydrate, hexamine, milk-sugar, and the benzoates, dropped on the signing of the Armistice, and although there is no pronounced slump, a weak undertone is noticeable among many of them. From now onwards high-priced drugs, like cascara sagrada, senega, turmeric, and calumba, must gradually ease as larger supplies become available. Easier conditions have of late prevailed in the industrial spirit market as increased supplies have been available for manufacturing purposes at lower prices. Mineralised methylated spirit will also be freely available shortly, and it would not be surprising to see a reduction in price. In reference to future export trade it should be noted that all the continental markets, the Far East, and our own Colonies are more or less starved for chemicals, drugs, and medicines, and already there are large orders awaiting execution, but those entrusted with them prefer to hold aloof for the present, as much of the business cannot be arranged under the present licensing system, and it is felt that better can be done by waiting. It is therefore absolutely necessary to eliminate control to the utmost extent consistent with safety as business men are becoming more impatient daily.

Shellac-cultivation in India.

Mr. C. S. Misra, First Assistant to the Imperial Entomologist, Pusa, publishes some interesting details in reference to the present position of lac-cultivation in India in the August issue of the "Agricultural Journal of India." The Report is principally intended for the benefit of persons who have started or are about to start the cultivation of lac in India, owing to the present abnormally high prices. It is a remarkable fact that the greater number of such attempts have been made in localities where success must be regarded as very doubtful, whilst fewer attempts are being made in localities where lac-cultivation is already an assured success. Mr. Misra points out that India owns practically a monopoly for shellac, and various efforts have been made to capture some of the trade in this product. For the last few years the Japanese have been trying to grow lac in Formosa on the tree *Schleichera trijuga*, which abounds in the country, and Kusumb brood-lac was despatched from Pusa. The Germans have also experimented with lac-cultivation at Amami in (late) German East Africa. For this purpose Dr. Morstadt took a small consignment of *ber* brood-lac to Amami, but no successful results have been recorded. Specimens of *Zizyphus jujuta* brood-lac were also taken to Egypt, but again no results appear to have been attained. Misra states that when prices rise, as in 1905-7

and again in 1915-16, attempts are made to oust the natural product from the market with a synthetic material. But—states Misra—the attempts prove abortive, as the constituents of the synthetic product either cannot be obtained in bulk, or the cost of manufacturing it leaves very little margin of profit to the manufacturer. In this particular we cannot agree with Mr. Misra. We are informed by Mr. Ernest J. Parry, who is the official analyst to the shellac-market in London, that there is no such thing as synthetic lac. Mixtures of various resins, such as copal, colophony, etc., are regularly manufactured both in this country and in Germany; but they could never deceive the shellac-user, and were and are merely imitations of, or substitutes for, shellac. Plenty is being made in London to-day, but the reason it does not even interfere with the shellac-trade is that it is an entirely different and inferior article. Misra considers that, in order to ensure a sufficient quantity of stick-lac being readily available in the market, it will be necessary to improve the methods of cultivation which are practised in different parts of the country. But we really cannot accept Mr. Misra's views on lac in many directions, so that we hesitate in regard to those on which we should desire information. For example, he says: "Prior to 1908, when lac-dye was a marketable item of considerable importance, it paid the cultivator as well as the manufacturer to pay for stick-lac which was rich in colouring-matter. But now, with the introduction and extensive use of aniline and other dyes, lac-dye has sunk into insignificance and is not of much commercial importance." We can only speak for Great Britain, but we scarcely think the conditions are different elsewhere, and we can say that it is scarcely within the memory of any but the oldest of London merchants and brokers that a case of lac-dye has been seen on this market. Lac-dye has been dead for a generation and more. According to Misra the fact that the cultivators remove the lac before swarming has taken place is really responsible for the shortage in the supply of lac. He recommends that all the lac should be removed from the trees a fortnight before swarming takes place, and be placed on trees already pruned for the purpose. In Sind the lac insect flourishes best on the babul (*Acacia arabica*), and over three-fourths of the lac collected and imported from Karachi is obtained from this source. Misra recommends that a dozen nurseries should be established for the preparation and distribution of pure "cultures" of the various types of insects which are suitable for the different districts and for different trees, when, he believes, excellent results would ensue.

A Clear Majority.

"Xrayser II." asked (*C. & D.*, November 2, p. 41), What is meant by a clear majority of the Pharmceutical Committees that signified approval of the Drug-Tariff terms for 1919? This we were unable to answer until we received a recent number of Mr. Hugo Wolff's "Square Topics." It appears that only 38 out of 142 Committees troubled to reply to the circular-letter of the Pharmaceutical Society. Of these 22 were acceptances, 14 were refusals, and 2 were ambiguous. This is the "clear majority" which was referred to at the Council-meeting on October 23. The fact that the figures were not given at the time made everyone suspicious. We see now why this was not done, and we also understand how it is that chemists despair of ever getting the official body to treat them as people of common sense.

Opium Scarcity.

Mr. Rooth, a Metropolitan magistrate, in inflicting a fine of 15*l.* on a Chinese seaman for illegally importing opium, said that the wounded in the London hospitals are being "starved" of the drug. At the same time the announcement is made in "The Times" that the Chinese Government has resolved to destroy by fire the remaining stocks of opium in Shanghai, estimated at 1,200 cases and of a value of about 5,000,000*l.* What a pity this opium could not have been shipped to London and released for medicinal purposes only. London wholesale druggists have to pay 70*s.* per lb. or more for opium to manufacture vital preparations, while only a few privileged manufacturers are allowed to import Indian opium under licence for morphine-making. The story of the opium scandal in China was told in the *C. & D.* of September 21 (p. 43), but it now appears as if the opium-trade is at the bottom of China's troubles at the present time, because South China suspects the Japanese of conspiring with North Chinese officials to make enormous profits out of the remaining stocks of opium. As the opium is to be destroyed in the presence of the Allies this cause of friction between North and South China should now vanish.

Overseas Trade in October.

The October Board of Trade Returns, which cover the last month of the war, are again notable for a further increase in the value of imports and a continued reduction in the value of exports, manufactured goods in particular exhibiting a heavy decline. The imports were valued at 117¾ million pounds, British exports at 42¾ millions, and re-exports of foreign and colonial merchandise at two millions. Imports of foodstuffs show a rise of over 15½ millions, while dutiable goods rose 4,152,000*l.*, this meaning a large addition to bonded goods like cocoa, tea, dried fruits, and tobacco. Imports of raw materials and partly manufactured goods were 3,300,000*l.* more, this being chiefly due to raw cotton, oil seeds, nuts, oils, fats, and gum, of which only the values are given. The small advance of 58,000*l.* is shown in the imports of chemicals, drugs, dyes, and colours, the figures attaining 2,696,000*l.*; much larger imports of sulphur, calcium carbide, and myrobalans are noted in this section, while there is a substantial decline in imports of quinine, from 255,217 oz. in October last year to 640 oz. On the export side, manufactured goods declined by almost nine millions sterling to 33 millions. The decline in the chemical section was comparatively slight, only 44,700*l.* compared with October last year, our shipments reaching two millions sterling. The drug and medicine exports were valued at 252,847*l.*, against 283,622*l.* in October last year, which is satisfactory considering the conditions under which it is carried on. Among the heavy chemicals, soda compounds were active, shipments being 535,362 cwt. or almost 100,000 cwt. better; the chief improvements were in soda ash and soda sulphate. Copper sulphate declined from 3,287 tons to 2,846 tons and bleaching-powder from 5,596 cwt. to 1,845 cwt. Last month we practically ceased re-exporting oil seeds, oils, etc., the value tumbling down by 651,000*l.* to a mere 86,000*l.*, this apparently showing that we are able to handle all imports of this produce.

Income-tax Reform.

Our Parliamentary correspondent states that an early announcement may be expected to be made in the new Parliament regarding the long-promised inquiry into the question of the reform of the income-tax laws. Such an investigation was foreshadowed by the late Prime Minister several years ago, and the promise then made has since been repeated by the present Chancellor of the Exchequer, the only apparent question at issue being as to whether the inquiry should be by Royal Commission or a Treasury Departmental Committee. It may be remembered that there has been no such examination since the Select Committee of the House of Commons considered the question a good many years ago under the chairmanship of the late Sir Charles Dilke, M.P. The whole matter is closely bound up with after-war reconstruction problems, and the opportunity now presented would appear to be a particularly favourable one for having such an investigation. This would be directed towards the codification of the law into a simple and intelligible form, and also towards reducing, as Mr. Asquith stated at the time, to something like scientific simplicity and practical convenience the network which has grown up over the whole ground in regard to exemptions, abatement, and all the various relaxations in one direction or another at present scattered over more than forty Acts of Parliament in addition to numerous Inland Revenue Orders.

Defence of the Realm Act Memoranda

(ISSUED AS A POSTER BY THE LONDON COUNTY PHARMACEUTICAL ASSOCIATION, NOVEMBER 19).

RETAIL SALE PROHIBITED ENTIRELY.

Cocaine, Ecgonine and Salts *(unless ordered in prescription and other conditions fulfilled)*, Opium (raw, granulated or powdered), Chocolate and Sweetmeats *(unless sales were 20 per cent. of returns in 1916.*

TO MEMBERS OF THE FORCES

(except ordered in prescription and other conditions fulfilled). Restriction does *NOT* apply to doctors, dentists, and veterinary surgeons in uniform.

Acetanilide	Benzamine Hydrochloride	Codeine	Opium
Barbitone	Chloral Hydrate	Diamorphine	Phenacetin
Benzamine Lactate	Coca	Indian Hemp	Sulphonal & Homologues
	Cocaine	Morphine	

Also all other salts, preparations, derivatives, or admixtures prepared therefrom and therewith.

FIXED RETAIL PRICES.

Chocolate (3d. oz).
Cocoa ("A" 3s. 2d. lb., "B" 2s. 2d. per lb.)
Cocoa Butter (2s. lb.)
Cocoanut, desiccated (1s. lb.)
Coffee (raw, 1s. 4d. lb.; roasted, 1s. 6d. lb.)
Compound Fertilisers (in quantities over 14 lb.)
Condensed Milk (full cream sweetened, 14 oz., 1s. 2½d.)
Copper Sulphate *(prices for 1919 not fixed yet)*
Golden Syrup (10d. lb., 10½d. lb. in 2-lb. containers)
Laundry Starch (10d. lb., loose)
Oatmeal (Robinson's Groats, 1s. lb.; Plasmon Oats, 9d. lb.)
Petrol
Petroleum (lamp oil)
Quinine Sulphate (wholesale prices: 1 oz. in one container, 3s. 9d.; 4 oz., 3s. 7½d.; other quantities *pro rata*)
Rice (4d. lb.; ground, 4½d. lb.)
Saccharin Tablets from British Saccharin (full strength, 1s. 7½d. 100; half-strength, 1s. 100)
Soda Crystals (1d. lb., 7 lb. 6d., suggested)
Sugar (7¾d. lb., cube)
Sweetmeats (2d. oz.)
Tea (2s. 8d. lb.)
Tobacco and Cigarettes

ARTICLES IN LIMITED SUPPLY

or to which special restrictions apply. Limited amounts can generally be obtained from wholesale houses.

Acetic Acid	Dextrin	Methylated Spirits	Sulphur
Alcohol	Edible Oils	Molybdenum Salts	Sulphuric Acid
Ammonia and Products	Formaldehyde	Naphtha	Tar Oils
Ammon, Sulphate	Goldbeaters' Skin	Oxygen	Tin Salts and Tinfoil
Arrowroot	Glucose	Potash Salts	Tungsten (Sodium Tungstate)
Benzin	Glycerin	Quinine	Turpentine and substitutes
Bismuth Salts	Lead Compounds	Radium	Uranium Salts
Bleaching Powder	Linseed Meal and Oil	Resin	Whale Oil
Calcium Carbide	Malt Extract	Shellac	Zinc and Salts
Castor Oil	Mercury	Starch	

PERMITS OR PRIORITY CERTIFICATES REQUIRED

TO OBTAIN FROM MANUFACTURERS

Artificial Eyes	Clinical and other Thermometers	Platinum and Salts
Bottles	Glass Tubing or Rod	Sulphuric Acid (large quantities)
Chemical Glassware	Goldbeaters' Skin	Tin Boxes
Chemical Plant		

Also most of the articles enumerated in the "Limited Supply" list, if large quantities are purchased.

LICENCES REQUIRED

TO MANUFACTURE.

Baking Powder
Blancmange Powder
Egg Powder
Infants' and Invalids' Food
} If containing Cereals.
Compound Fertilisers
Malt Extract
Marmalade

TO SELL.

Gluten Flour
Methylated Spirit
Patent Medicines
Petrol *(if over 2 oz. at a time)*
Tea
Tobacco

MAY ONLY BE USED AS FOOD.

Cereals
Edible Oils *(limited amounts allowed for use in medicine)*
Eggs
Glucose
Lard
Starches

OTHER BUSINESS RESTRICTIONS

UNDER D.O.R.A.

Advertising Circulars, etc. *(quantity limited)*
Assistants *(list must be kept posted up)*
Celluloid Articles *(local restrictions)*
Clinical Thermometers *(must be stamped)*
Early Closing *(other than under Shops Act)*
Lighting *(local restrictions)*
Medicated Wines *(must state on label amount of proof spirit)*
Newspapers and Books *(may only be sent to neutral countries from publishers)*
Proprietary Medicines *(if not sold by chemists must bear percentage of proof spirit)*

UNDER RECENT LEGISLATION.

Alcohol Rebate *(under Finance Acts, 1915 and 1918)*
Business Names *(under Registration of Business Names Act)*
Cheque Duty *(2d. now)*
Medicine Stamp Duty *(doubled in 1915)*
Postage *(inland letters, 1½d.; printed matter, ½d.)*
Table Water Duty *(Aerated Waters)*
Venereal Remedies *(under Venereal Disease Act)*

Further particulars can be obtained by consulting "The Chemist & Druggist Diary, 1919," and War Emergency Notes.

Index Folio 957

Associations' Winter Session.

Bolton.—The opening meeting of the session of the Bolton Pharmacists' Association was held on November 14, when the officers were re-elected. The War Auxiliary Benevolent Fund was warmly supported, and it is anticipated that a goodly sum will be subscribed locally.

Bournemouth.—A meeting of the Bournemouth Pharmaceutical Association was held on November 22, the President (Mr. T. Boyle) in the chair, when a resolution was passed respecting the new terms of discount allowed by Allen & Hanburys, Ltd., and requesting the Council of the Proprietary Articles Trade Association to take up the matter. The Secretary reported that 55 notices had been sent to the pharmacies in the district, of which 39 were in favour of closing at 7 P.M., 8 against, and 8 had not replied; and that of the 47 returned, 43 were in favour of no copies of prescriptions being given except at the doctor's request, while 4 were against. The whole of the notices returned were in favour of not stocking Elliman's embrocation. The Secretary also reported that he had up to date received 194*l.* 7*s.* 6*d.* on behalf of the War Auxiliary Benevolent Fund. The report of the Face Value Committee was read and approved. A discussion on the report of the Organisation Committee of the Pharmaceutical Society was opened by Mr. H. J. Martin (Christchurch) in a very able address, and it was decided to hold a special meeting to discuss the matter more fully. The meeting closed with a vote of thanks to Mr. Martin.

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on November 19, Mr. S. E. Greaves presiding. For the War Auxiliary Benevolent Fund over 100*l.* was promised by the members present. The scale of fees for Insurance dispensing for 1919 was discussed, and although the members thought the remuneration far from satisfactory, they decided to continue on the panel for another year. An interesting paper was given by Mr. J. R. D. Barfoot, entitled *The Genesis of the Elements*, which was so appreciated by the members present that Mr. Barfoot was warmly thanked and requested to repeat the paper at a future date.

Edinburgh.—The opening meeting of the Edinburgh District Chemists' Trade Association was held in the Pharmaceutical Society's House, 36 York Place, on November 25, Mr. James Dick (President) in the chair. It was reported that the procedure for an order closing all chemists' shops at 7 P.M. on ordinary weekdays and 8 P.M. on Saturdays had been carried through and the signatures were now in process of being verified, after which the order was expected to come into operation. A letter was read from the North British Branch Executive anent the War Auxiliary Benevolent Fund, which it had been agreed by the Council should be collected through local Associations, and it was agreed that the Association should undertake the collection, the details being remitted to the Committee. Mr. A. J. Clark was appointed a member of the School Board Trades Advisory Committee in connection with continuation classes, in room of Mr. W. S. Glass, resigned. Attention was directed to the recent action of the medical officer of health for Edinburgh presuming to make arrangements for the dispensing of medicines during the influenza epidemic. It was agreed to approve of the action which had been taken, and that nothing further required to be done.

Glasgow.—The monthly meeting of the Glasgow and West of Scotland Chemists' Association was held at 165 Hill Street on November 21, Mr. Murchie (President) in the chair. The meeting was an "open" one. The President gave a short *résumé* of the work which had engaged the attention of the Council since the commencement of the session. The principal matter discussed was a report submitted by a special Committee appointed to consider the question of federation. The Committee has held conferences with a similar Committee of the Edinburgh Association, and the report included the following draft scheme for the formation of a national Federation of pharmacists:

Membership shall be open to pharmacists and to such others as are serving, or have served, a regular apprenticeship under control of a pharmacist. Limited membership may be open to other persons engaged in the drug-trade if deemed advisable.

Objects of the Federation: (1) To promote, develop, and protect the interests of its members. (2) To provide educational facilities for assistants and apprentices throughout the country. (3) To improve the examinations. (4) To arrange and assure adequate wages and terms of service for assistants and apprentices, and generally to render the profession attractive to the best class of young men and women. (5) To provide laboratories and all necessary equipment, to employ or arrange with teachers or educational bodies for the special education of members, for research and for the scientific development of pharmacy. (6) To diffuse information among members on all matters affecting the trade. (7) To fix and regulate profits on, and conditions of sale of goods. (8) To provide or guarantee funds on a contributory or other basis (*a*) to help assistants and apprentices in the payment of class and examination fees, (*b*) to assist members in the purchase of businesses or business premises and fittings, (*c*) to provide annuities or pensions. (9) To protect members against persons or firms whose circumstances render them unworthy of mercantile credit or employment. (10) To take, contribute to, defend or assist in any proceedings by or against the Federation or any member thereof in which the common interests of the trade or profession of pharmacy may be involved or affected. (11) To provide, negotiate, or guarantee life, health, or fidelity insurance, insurances against loss by fire, accident, sickness, burglary, by claims for damages or compensation for mistakes in dispensing, etc., or any other form of insurance that may be for the benefit of members. (12) To join financially or otherwise co-operate with any kindred public body, firm, institution, or person for the furtherance of any of these objects. (13) To provide for the representation in Parliament, and where possible in public bodies or firms, having control over or dealings in drugs, pharmacists, or pharmaceutical service, and to ensure that in the exercise of such dealings or control the rights, privileges, and legitimate aspirations of pharmacy shall be protected and advanced.

The affairs of the Federation shall be conducted by and through Branches, with Assistants' and Apprentices' Committees; District Committees; Executive Council.

Any six or more pharmacists in business in the same district may form a Branch. Assistant and apprentice members in a Branch area may form a Committee to consider any matter directly affecting themselves. Such Committees may make representation to the Branch on any such matter, which shall be considered at a joint meeting at which an equal number of the Assistants' and Apprentices' Committee and Branch members shall be present. Each member of such joint meeting shall have one vote. Where an amicable settlement of any matter cannot be arranged by the joint meeting, the matter shall be referred to the District Committee for settlement. The District Committee shall hear both parties and shall decide.

The country shall be divided into districts (approximating the Insurance areas). Each district shall be represented by a District Committee, which shall be composed of a Secretary and one person appointed by each Branch within the district, and in addition of and from the Assistants' and Apprentices' Committees (number to be determined). A District Committee shall transact the business of the Federation within its own district. It shall hear and determine (subject to appeal to the Executive Council) all complaints and disputes from the Branches in its district. It shall hold meetings at least four times a year.

The Executive Council shall be elected by ballot at the annual general meeting. Each Branch may send a delegate to such meeting for every fifteen or part of fifteen of its membership. Any member of the Federation may attend the meeting, but only regularly appointed delegates shall have power to vote in the election of office-bearers. Any Branch (for reason of distance, etc.) unable to send a delegate may vote for candidates to the Council at a meeting of itself held for the purpose, and the votes so recorded shall be reckoned as having been given by the delegate at the general meeting. The assistants' and apprentices' representatives on the District Committee shall or may vote equally as delegates at the annual general meeting.

An interesting discussion ensued, after which a motion was carried unanimously "That the whole matter be remitted back to the same Committee for further consideration and report to a general meeting to be held solely for that purpose."

Halifax.—A meeting of the Halifax Chemists' Association was held on November 20, the President (Mr. B. C. Hodgson) in the chair. The issues of "Square Topics" for September and October were read, and appreciation was expressed for the information contained therein. Support was given to a resolution forwarded by the Devon Pharmaceutical Association regarding the reduced profit on Allen & Hanburys' foods (*C. & D.*, November 2, p. 46). It was resolved to invite every qualified man in the area to subscribe to the War Auxiliary Benevolent Fund, the minimum subscription being fixed at 5*l.*

Harrogate.—At the meeting of the Harrogate Pharmaceutical Association on November 14, the President (Mr. J. W. Harper) gave an address on *Pharmacy, the War, and the Individual*, in which he brought a great deal of common-sense to bear on the reconstruction problems of pharmacy. After a lively discussion the meeting took the form of a smoking-concert.

Hull.—At the meeting of the Hull Pharmacists' Association on November 19, Mr. F. C. Hines gave an address, entitled *Days in Council*, in which he dealt with some of the questions which had been discussed or decided at Bloomsbury Square. A discussion ensued in which the President (Mr. L. S. Sellé), Mr. A. Richardson, and Mr. T. Smith took part; and, in replying to a vote of thanks, Mr. Hines said that the amount of inertia he had had to fight against at Bloomsbury was astounding.

Ipswich.—The quarterly meeting of the East Anglian Federation of Pharmaceutical Associations was held at the Crown and Anchor Hotel on November 22, Mr. J. F. Collins (President) in the chair. Delegates were present from Norwich, Cambridge, Long Stratton, and Ipswich, and Alderman Rowsell, of Exeter, a member of the Pharmaceutical Council, also attended. A discussion took place

regarding the War Auxiliary Benevolent Fund. Alderman Rowsell said that though the Government had promised to assist men in the Army to complete their training, money was also required for men whose businesses had been closed, and for widows and orphans. It was decided to advise the Association to give a hearty support to the Fund, but first to await further information as to the extent of the need and of the Government proposals. On the question of the Orders issued by the Army Council as to the sale of drugs to the troops, the President pointed out that few chemists knew how far the Orders went. It was decided that the Federation should issue a circular pointing out the extent of the Orders and the proprietary articles which would come under them. A long discussion took place on the question of veterinary risks and the Chemists' Defence Association. Alderman Rowsell pointed out that when the Association had had experience of the veterinary risks it would be prepared to issue a policy against all risks at an inclusive premium. A discussion also took place as to the provision of infants' foods and drugs by Welfare Committees, etc. It was agreed that no objection could be entertained to such bodies providing such things free of cost, but their being sold at a reduced price was deprecated, unless proper care was taken to see that the people really could not afford to pay the full price. It was decided to hold the annual meeting at Norwich in February. Mr. Rowsell was thanked for his attendance and assistance.

Leeds.—The Leeds Chemists' Association met on November 13 at the Grand Central Hotel, under the presidency of Mr. N. N. Armitage, when Mr. J. Keall, member of the Pharmaceutical Council, gave an address on *Modern Problems of Pharmacy.* He said that the Pharmaceutical Society cannot be charged with "stickiness" to old conditions and ideas, as was deprecated in any trade or profession by Dr. Addison, the Minister of Reconstruction, in his address at Bloomsbury Square. The proposed arrangement by which ex-Service men desiring to enter pharmacy might be allowed to miss the Preliminary examination on showing a satisfactory standard of intelligence and education is very wise. Mr. Keall said he had long been in favour of the division of the Minor, so that a man can get credit for what he has already done. Pharmacy has lost a lot by effect of the war, but it has also gained a good deal, and many of the conditions have improved. There must be no dual control in pharmacy, and the Society must be the authority to whom the Government must come for help. On the other hand, the Society must be prepared to give the help when asked. The position of the demobilised Army compounders will require delicate handling and much tact. If these men have the necessary standard of education they must be given a fair chance of entering pharmacy if they desire it. While the interests of the chemists must be safeguarded, nothing must be done to cause unnecessary friction. Referring to Health Insurance dispensing, Mr. Keall said nobody pretends that the terms for 1919 are adequate, but the Local Associations Executive did its best. He suggested that local Pharmaceutical Committees should do as the London Committee has done, and appoint local Tariff Committees to go into the whole question, so that the 1920 terms will not be rushed at the last minute, and evidence which will be proof against the close scrutiny of a Government accountant must be properly collated in good time. In the meantime, it is policy to accept the present terms. The special Committee appointed to watch the proposed Ministry of Health, said Mr. Keall, is at work. The Society has now three candidates in the Parliamentary field in the persons of Mr. Woolcock, Mr. Marshall Freeman, and Mr. Bennett, representing all the chief political parties. He thought the merging of four leaders of the Face Values Committee into the joint Propaganda Committee of the Proprietary Articles Trade Association a very wise move, giving opportunity for a renewal of propaganda interrupted by the war. There was no need for him to urge the claims of the War Emergency Fund upon the Leeds Association, which gave the Fund a start which has been the admiration of the whole of pharmacy. He deeply regretted that only half the electorate voted in the Council election. If men cannot realise their responsibility they cannot complain if the Council says it has no mandate and gets nothing done. In the ensuing discussion, Mr. J. H. Beacock agreed with the entry of ex-Service men without going through the Preliminary examination. Leeds chemists wanted no other central organisation than the Pharmaceutical Society, which, though it used to be a rather closed corporation, is now democratic. The President remarked that if the Pharmaceutical Society is free of "stickiness" it is not yet free of faults. Though he realised that they could have no better Secretary and Registrar than Mr. Glyn-Jones, he strongly objected to the method of his appointment. A position so greatly affecting all chemists should be advertised. He did not like the way the Council, when there is anything which it does not want the general members to hear, refers the matter to Committee. Why cannot things be done in the open? As to the Parliamentary Fund, it was new to Leeds to hear something tangible. For thirteen months they have been trying to get something definite, and have not hitherto been able to appeal to their members on behalf of a Fund about which they could get no information. Mr. Kirk said the electorate would take far more interest in the voting for Council if they had territorial representation, and every man could know that he was voting for his own district's representative. Mr. Lancaster expressed a hope that the suggested new by-laws will be quickly brought about. Every effort must be made towards getting the whole of the dispensing for chemists, including that for hospitals. Mr. Roberts hoped the division of the Minor will apply to many of the good men who, for one reason or another, failed to get through the Preliminary in years past. Mr. Keall, in reply, agreed that the post of Secretary of the Society ought to be advertised under ordinary conditions, but under the circumstances they knew they had the right man at hand, and advertising would have been waste of effort and of the time of applicants. Where he disagreed with the Face Values Committee was in the fact that there are certain limitations which they omitted from their programme. They did good work, and that work, he thought, will be enhanced by their association with the P.A.T.A. Face-value without guaranteed protected profit is useless in most lines. Territorial representation on the Council is, of course, the only logical method, but it would involve going to Parliament to get a change in the Charter. The new by-laws are, as yet, only suggested, and the process of bringing them into operation would, of course, take some months. In view of the nearness of demobilisation no unnecessary delay should be permitted. Mr. Keall said he did not think the division of the Minor will apply retrospectively, or, indeed, to any but Service men. That was only his own opinion, and it might be that some special cases might be considered on special points, and men who failed on the second day be given another opportunity without repeating what they have already done.

London (E.).—A meeting of the East London Pharmacists' Association was held at Limehouse recently, Mr. A. R. Keith (President) in the chair, when an address by Mr. T. Edward Lescher on *The Drug and Chemical Shortage* was received with great appreciation. A discussion followed, in which Messrs. Lloyd (West Ham), Goode and Melhuish (Western) took part. Mr. Melhuish made a sympathetic reference to the late Colonel Harrison. A cordial vote of thanks to Mr. Lescher terminated the proceedings.

London (S.W.).—A meeting of the South-West London Chemists' Association was held at the Town Hall, Clapham, on November 19, Mr. John Humphrey (President) in the chair. Miss Margaret Buchanan, member of the Council of the Pharmaceutical Society, made an eloquent appeal for support to the War Auxiliary Benevolent Fund, and the subject was fully discussed. The President summed up the discussion and headed the list of contributions for the district by the promise of a subscription for a substantial amount. This example was promptly followed by others present, and there is every prospect of a successful result to the appeal. Foreshadowed changes in pharmaceutical training and examinations were also informally discussed, and the President suggested that further attention might be devoted to this important subject at an early meeting next year. Charges for private dispensing then received attention, and it was the general opinion that such charges ought to be considerably in advance of pre-war charges for the same work, even in respect of repeat prescriptions. Various other business matters were briefly discussed. For the information of chemists in the South-Western area, it may be stated that proprietor-pharmacists are asked to subscribe sums of five guineas upwards to the War Auxiliary Benevolent Fund, managers and assistants one or two guineas, and apprentices or other employés anything from half-a-crown upwards. All subscriptions should be remitted to the Hon. Secretary, Miss A. T. Borrowman, 17 The Pavement, Clapham Common, S.W. 4.

Nottingham.—The success which has attended the efforts to establish the chemical-glass industry in Great Britain was emphasised by Dr. W. E. S. Turner, chief of the Department of Glass Technology recently established in Sheffield University, in an interesting lecture to the members of the Notts Section of the Society of Chemical Industry at the Nottingham University College on November 27. Dr. Caven presided over a large attendance. The lecturer, in passing, mentioned that the scientific glass industry had been established in this country since the outbreak of war.

Great Britain was formerly wholly dependent for its supplies of chemical glassware upon the Continent, and chiefly Germany, and we were caught napping in this respect in 1914. The first practical steps taken to initiate the British industry were by Sheffield steelmakers, who felt the shortage of glassware so acutely that they actually proposed that the whole stock of such articles in the schools, colleges, and universities of the country should be commandeered for steel laboratories, since the chemical control of steel was so important. The success of the industry had surpassed all expectations, and the quality now being produced is in nearly every case distinctly superior to the best material ever obtained from Germany. It is more resistant to alkalies and acids than even the famous Jena glassware. Dr. Turner exhibited a series of glass vessels which had been treated with various reagents, and these test-pieces illustrated the decided superiority of the British products over those of their future rivals. He pointed out, however, that as the industry is still in its infancy it will require some measure of protection, so as to enable it to tide over the years that must elapse before it can withstand the competition of the Continent and America, and appealed to chemists to do all they can to support the use of British glass.

Salford.—At a well-attended meeting of the Salford Pharmaceutical Association held on November 20, Mr. F. Alex. Anderson, Clerk to the Salford Insurance Committee, read an interesting paper on the proposed *Ministry of Health Bill*. He pointed out the chaos existing at the present time, with so much overlapping and so many different departments and authorities dealing with the various aspects of the health of the people. With regard to the dispensing of the medicines, there was a choice between the surgery, pharmacy, and dispensaries. The general opinion of the members during the discussion was that, as insured persons have got used to obtaining their medicines from the local pharmacy at all reasonable hours, they would not tolerate dispensaries, as there would probably be much walking and waiting, as well as stated hours. Therefore an extension of the present system of Insurance dispensing was considered the most convenient for the public, and quite possibly also the cheapest.

Thames Valley.—The annual meeting of the Thames Valley Pharmacists' Association was held at the Scotch Café, Kingston-on-Thames, on November 27, Mr. F. Cherry (President) in the chair. The Treasurer (Mr. A. Higgs, J.P.) presented his financial statement, which showed a satisfactory balance in hand. One guinea was voted to the funds of the Early Closing Association, and a resolution was passed in support of its efforts for compulsory early closing. A similar sum was also voted to the funds of the Middlesex County Association. The Committee was elected for the ensuing year and the officers were re-elected. A discussion took place on National Health Insurance, Mr. Clement reporting on the Middlesex Pharmaceutical Committee. Regarding the panel for 1919, it was felt that the terms offered were still quite inadequate; but with the end of the war, and the formation of a Ministry of Health, it was hoped that fresh and satisfactory terms will be arranged in the future. Elliman's attitude was discussed, and a resolution was passed pledging those present to support the wholesale in not stocking Elliman's preparations. The matter of other articles which do not give an adequate profit was discussed. A letter was read from the Devon Association asking support to a resolution regarding the profit on Allen & Hanburys' preparations. A resolution was passed asking for a minimum of 25 per cent. on their foods and 33 per cent. on their other articles. Mr. Higgs mentioned that Mr. J. Parrott, Richmond, one of the ex-Presidents, had that week suffered a great bereavement in the death of his wife, and a resolution of sympathy was passed. The meeting finished by a few words from the President on the future of Ucal.

Women Pharmacists.—A general meeting of the National Association of Women Pharmacists was held at Dr. Williams' Library, Gordon Square, London, on November 20, Miss Buchanan (President) in the chair, for the purpose of adopting a new constitution and rules which should apply equally to all local groups of the Association. The President prefaced the regular business of the meeting by making an eloquent appeal, as a member of the Council of the Pharmaceutical Society, on behalf of the War Auxiliary Benevolent Fund. The draft constitution was then discussed at length, and adopted with certain amendments.

A Company, with the title Bulgarian Chemical Industrial and Commercial Co., has been floated in Sofia with a capital of 1½ million leva to promote the chemical industry and erect factories for chemical production and trading in chemical products.

Trade Report.

42 Cannon Street, E.C. 4, November 28, 3 p.m.

The general tone in the fine chemical and drug market remains practically as last week, the demand so far as home trade is concerned being strictly limited to buyers' immediate requirements. The prices of several pharmaceutical products have shown a downward tendency, and it is possible to pick up a few bargains here and there, but at the same time there is no pronounced slump, as most sellers are content to let business open on natural lines rather than force sales. A bright feature of the export trade is the resumption of business with neutrals, and this may help to relieve the situation considerably. Heavy chemicals like ammonia alkali, caustic soda, bicarbonate of soda, bleaching-powder, etc., have met with an active demand, and second-hand dealers have advanced their prices. Lead and zinc products are higher on an official advance in the base metals. Sal ammoniac is lower, other ammonia products being unchanged. Among fine chemicals a weaker tendency has been shown in bromides, guaiacol carbonate, hydroquinone, phenolphthalein, citric acid, and cream of tartar. Gallic acid and phenazone are rather firmer. Other alterations include an easier tone in cascara sagrada, senega, gentian, menthol, pimento, Japanese vegetable wax, coriander- and fenugreek-seeds. Saccharin and vanillin are nominal. Milk-sugar is considerably lower, and salicylic acid is still on the weak side. Farina, pimento, and ginger are easier. Nutmegs show a recovery of 9*d.* from last week's slump. Lemon oil is firm.

Higher	Firmer	Easier	Lower
Bleaching-powder	Phenazone	Atropine	Ammon. bromide
Castor oil		Benzoic acid	Canary-seed
Gallic acid		Cascara sagrada	Chillies
Lead products		Coriander-seed	Citric acid
Nutmegs		Farina	Cream of tartar
Soda ash		Gentian	Fenugreek-seed
Soda bicarb. (sec. hands)		Ginger	Hydro-quinone
Soda caustic		Guaiacol carb.	Lanoline
Theobromine (pure)		Lime-juice	Mace
Zinc products		Menthol	Milk-sugar
		Methyl salicylate	Phenol-phthalein
		Oxalic acid	Potash bromide
		Pimento	Saccharin
		Potash bichromate	Sal ammoniac
		Senega	Shellac
		Soda hypo.	Wax, paraffin
			Wax, vegetable (Jap.)

Cablegram.

New York, November 23.—Business in drugs is fair. Oil of wintergreen has advanced to $5.50 per lb. Mexican sarsaparilla is lower at 35c. Canada balsam has advanced to $9.00 per American gallon; balsam Peru is also higher at $3.35 per lb. Taraxacum has been reduced to 26c. and belladonna-leaves to $1.00 per lb.

Agar-agar is quiet, with sellers of No. 1 Kobe strip at 3*s.* per lb. on the spot. The exports from Japan during August 1918 amounted to 90,389 kin, valued at 118,810 yen. During the eight months ended August 31 they were as follows:

	1916	1917	1918
Kin	2,433,300	1,732,551	2,365,277
Yen	2,128,623	1,593,144	2,609,642

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
China	399,457	647,197	158,806
Hong-Kong ...	293,009	255,350	113,190
Straits Settlements	113,604	92,482	58,041
Dutch Indies ...	380,085	188,037	229,225
Asiatic Russia ...	146,369	877	181
Great Britain ...	281,387	76,020	1,576,188
France	236,421	88,259	5,000
United States ...	414,639	238,882	94,926
Other countries ...	168,329	145,447	129,720
	2,433,300	1,732,551	2,365,277

ALKALI has been in large demand for export owing to the removal of prohibitions, and up to 9*l.* 10*s.* per ton has been paid for 58-per-cent. from second-hands.

AMIDOPYRIN is very firm and difficult to find at 65*s.* per lb. on the spot.

AMMONIA PRODUCTS.—*Ammonium carbonate* is unaltered at 7½*d.* per lb., and contracts have been booked by the makers on this basis up to the end of April 1919 without falling clause. *Liquor ammonii* is unaltered, and as higher prices were recently fixed by the Government for sulphuric acid it is unlikely that any reduction can be made yet awhile. *Sal ammoniac*, which was unduly high, has been reduced by 20*l.* per ton to 80*l.* per ton for first quality lump and 75*l.* for second quality, with ground 5*l.* per ton extra. *Muriate* is unchanged at 50*l.* per ton for galvanisers.

ANISE OIL, STAR, is quiet, with spot sellers of "Red Ship" brand at 6*s.* 3*d.*, and at 6*s.* c.i.f.

ANTIMONY.—As generally expected, the official price of English regulus has been reduced by 5*l.* per ton to 80*l.*, but this figure is still comparatively high in view of the recent heavy fall in the quotation of foreign refined, which is difficult of sale near 65*l.*, several sellers of spot lots being in evidence with practically no buyers. Chinese crude is neglected and quite nominal. American reports continue weak. The export trade in China is apparently held up for the present, partly owing to the lack of freight room.

ARSENIC.—There is very little change, the undertone being steady to firm at prices ranging from about 97*l.* per ton upward delivered London for best Cornish powder. There is not much offering, and the demand has been slightly more active.

ASPIRIN is firmly maintained at from 17*s.* to 17*s.* 3*d.*, and no change is expected for the next two months, when the acetic anhydride position may be easier.

BELLADONNA-ROOT can be bought at 4*s.* 6*d.* per lb. spot for usual test.

BLEACHING-POWDER is dearer, there having been a large export demand, and up to 18*l.* 10*s.* to 19*l.* per ton in casks has been paid.

BROMIDES are lower in second-hands, potash crystals offering at 7*s.* to 7*s.* 3*d.* per lb. and ammonia at 6*s.* per lb.: soda is unchanged at 5*s.* 3*d.* A further consignment of Government-controlled potash has arrived, and a limited quantity of ammon. is due; the fixed prices are 6*s.* 7*d.* for crystals and 5*s.* 10*d.* for granules; ammon. is 5*s.*

CALCIUM CARBIDE.—On and after December 1 all restrictions as to the sale or purchase of calcium carbide will be removed, subject to a minimum price to consumers of 40*l.* per ton for quantities of 1 cwt. and over (granulated 10*s.* per ton extra).

CAMPHOR (REFINED) is quiet, with spot sellers of Japanese 2½-lb. slabs at 6*s.* 10½*d.* The exports from Japan during August 1918 amounted to 148,825 kin, valued at 331,014 yen. During the eight months ended August 31 the shipments were as follows:

	1916	1917	1918
Kin	3,672,465	2,219,893	1,422,222
Yen	3,476,454	3,759,166	2,899,370

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
British India ...	985,391	650,811	317,293
Asiatic Russia ...	410,476	283	—
Great Britain ...	622,428	47,490	344,641
France	314,090	66,618	31,465
United States ...	1,144,407	1,306,962	474,329
Australia	84,380	58,436	84,801
Other countries ...	111,293	89,293	169,693
	3,672,465	2,219,893	1,422,222

CASCARA SAGRADA.—With further arrivals on the way the easier tone continues, with spot sellers at 210*s.* per cwt.

CASTOR OIL.—Confirming last week's note, we are now officially informed that the Ministry of Food has signified its intention of releasing a limited quantity of English-made pharmaceutical quality, and this will shortly be available. Firms who have previously bought in large bulk parcels direct from works, and who have not received particulars direct, can receive same on application to Mr. T. E. Lescher, 60 Bartholomew Close, E.C. 1.

CHILLIES were lower at auction, 160 bales Zanzibar selling without reserve at 70*s.* for fair, part mixed stalky.

CITRIC ACID.—Sales on the spot have been made at from 4*s.* 8*d.* to 4*s.* 9*d.* per lb.

CLOVES continue quiet, with spot sellers of Zanzibar at 2*s.* 3*d.* for fair.

COD-LIVER OIL.—The new season's fishing will no doubt commence as usual off Lofoten in January, when much lower prices may be anticipated should the season prove successful. Meanwhile the great scarcity continues.

COPPER SULPHATE.—Quotations for some little time past have been wide and erratic, the absence of any notable demand for export is for the time being inducing some re-sales of sulphate, for which licences are apparently delayed. So far as actual business is concerned 60*l.* f.o.b. Liverpool might be taken, but this figure is understood to be *net*, whereas makers as a rule quote 65*l.* f.o.b., less 5 per cent. The margin between those figures would thus be equal to barely 2*l.* a ton. Fears of a reduction in the price of metal copper have presumably something to do with the unwilling demand. The position of freights from North America to this side has undergone a very drastic change in the last few days, big reductions having been made for neutral tonnage, and this will affect copper and many other commodities.

CORIANDER-SEED is again easier at 50*s.* per cwt. for new crop Morocco, and at 42*s.* 6*d.* for old crop.

CREAM OF TARTAR.—Prices are a matter of negotiation at round about 410*s.* to 415*s.* per cwt. for 99 to 100 per cent. powder.

EUCALYPTUS OIL is steady and in fair demand at from 4*s.* 6*d.* to 4*s.* 9*d.* per lb. on the spot.

FARINA is dull and easier, No. 1 Japanese offering at 81*s.* on the spot.

FENUGREEK-SEED.—Sales have been made at the much lower price of 32*s.* per cwt. for fair quality Morocco.

GALLIC ACID is rather dearer at from 4*s.* 8*d.* to 4*s.* 9*d.*, as all gall products are firm.

GENTIAN.—Sellers of fair Spanish quoted 75*s.* per cwt. on the spot, being easier.

GINGER is easier, with spot sellers of Sierra Leone at 120*s.*, rough Calicut 150*s.*, washed Cochin at 160*s.*, and Japanese 105*s.*, and Jamaica 150*s.* to 170*s.* per cwt.

GLYCERIN.—Small sales to consumers have been made at from 120*s.* to 125*s.* per cwt. for chemically pure, s.g. 1.260, in tins and cases.

GUAIACOL CARBONATE.—Fairly large consignments have come to hand, and the price has eased to 85*s.* per lb.

HYDROQUINONE is cheaper at from 14*s.* 3*d.* to 14*s.* 9*d.* per lb. on the spot.

KIESELGUHR can be bought at about 23*l.* per ton ex wharf, London.

LANOLINE.—B.P. anhydrous is offered at from 1*s.* 5*d.* to 1*s.* 6*d.* per lb., being considerably lower.

LEAD PRODUCTS.—The startling rise of 11*l.* per ton in the price of pig lead to 40*l.* per ton early this week, owing to the fact that it was kept at an unduly low level during the war compared with values abroad, has naturally affected all lead products, prices being revised all round. The price of red lead has been fixed at 55*l.* 10*s.*, this being the manufacturers' selling price, while merchants quote 56*l.* per ton.

LEMON OIL remains firm at from 5*s.* 9*d.* to 6*s.* per lb. on the spot.

LIME-JUICE.—Large arrivals have lately taken place and the tendency is easier, good pale raw West Indian being worth 4*s.* 6*d.* per gal.

LITHIA CARBONATE is still firm, with little available on the spot at about 12*s.* per lb.

MACE was lower at auction, eight packages West Indian selling at 2*s.* 7*d.* for good pale and 1*s.* 7*d.* for broken.

MENTHOL.—Towards the close of last week spot sales of Kobayashi-Suzuki were made at 21*s.* per lb., but subsequently an easier feeling prevailed, with sellers at 20*s.* 6*d.*

METHYL SALICYLATE is in good demand at from 6*s.* 3*d.* to 6*s.* 6*d.* per lb.

MILK-SUGAR has been reduced to 2*s.* 9*d.* to 3*s.* per lb. for best Dutch powder as to quantity. Even at the reduced prices a handsome margin of profit is left to the makers.

MINT OIL is quiet, with sellers of Japanese dementholised (Kobayashi-Suzuki) at 6*s.* 6*d.* on the spot. The exports from Japan during August 1918 amounted to 19,077 kin, valued at 41,797 yen. During the eight months ended August 31 the exports were:

	1916	1917	1918
Kin	285,295	150,202	111,524
Yen	647,233	340,224	230,682

NUTMEGS sold at an advance of 8*d.* to 9*d.* on last week's auction, seven barrels West Indian realising 1*s.* 8*d.* for slightly wormy (114 to 82 to the lb.); 15 boxes Singapore 80's were bought in at 3*s.* 6*d.*; privately 3*s.* 3*d.* is quoted.

OXALIC ACID is easier at 1*s.* 4½*d.* per lb.

PEPPERMINT OIL.—The price asked for English of the 1918 crop varies from 90*s.* to 100*s.* per lb., with a limited quantity of the previous crop at several shillings less. American tin oil is firm and unchanged at 28*s.* per lb. for a limited quantity.

PHENACETIN is unobtainable at the previous figure of 17*s.* per lb. on the spot.

Phenazone has a firmer tendency at 55*s.* per lb. on the spot.

Phenolphthalein is easier, with spot sellers at 35*s.* per lb.

Pimento is easier, with spot sellers at 6¾*d.* per lb.

Potash Bicarbonate is easier at from 2*s.* to 2*s.* 1*d.* per lb.

Resin.—The United Kingdom Resin Distributors' Association, Ltd., announce: It is understood that circumstances now permit of licences being more liberally granted by the Ministry. Prices, however, are likely to be fully maintained and control necessary for some time to come.

Saccharin is again lower, and prices are more or less a matter of quiet negotiation, the market remaining demoralised. Sales have been made of American 550 pure at about 133*s.* per lb., not duty paid, equal to 265*s.*, duty paid.

Salicylates.—The weaker feeling on the part of makers of salicylic acid has resulted in the price being eased all round, but a revival in the export demand ought to check the sagging movement. The spot price of 4*s.* per lb. for B.P. powder can be eased slightly. Soda salicylate is 5*s.* 6*d.*

Senega is easier at from 7*s.* 3*d.* to 7*s.* 4½*d.* per lb. net on spot.

Shellac is nominal at from 320*s.* to 330*s.* for TN on the spot, 365*s.* to 375*s.* for fine Orange, 310*s.* for AC Garnet block, 320*s.* for cakey, and 345*s.* for pure Button.

Soda Bicarbonate.—The spot price from dealers is from 19*l.* to 20*l.* per ton ex wharf, London, being dearer; makers are doing business in contract quantities to consumers at 10*l.* per ton in kegs f.o.b. Liverpool, and a good export business is in progress.

Soda Caustic.—Export restrictions having been withdrawn to neutrals, there has been a good demand, the sales from second-hands including 70 to 72 per cent. at 34*l.* to 35*l.* per ton f.o.b. Liverpool.

Soda Hyposulphite.—Pea crystals in small kegs and casks offer at 49*l.* 10*s.* to 50*l.* per ton for spot delivery.

Spirit (Methylated).—We understand that the restrictions on the sale of methylated spirit are to be removed as and from Monday, December 2.

Sulphonal is still very scarce at about 130*s.* per lb. on the spot.

Tamarinds.—Further supplies of West Indian, amounting to 600 barrels, are on the way. Holders of good squashy Barbados ask 145*s.* per cwt., duty paid (duty=5*s.* 8½*d.*). The imports of tamarinds preserved in syrup into the United Kingdom during the past five years have been as follows:

	1913	1914	1915	1916	1917
	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
British West India Islands	5,209	6,754	4,395	6,549	4,573

Theobromine.—Pure is rather dearer at 60*s.*, and sodium salicylate is unaltered at 40*s.*

Turpentine.—The Turpentine Distributors' Association state that, having reached the reserve required by the Ministry of Munitions to be held for the present (November 25), no further sales of American must be made by the members of the Association. Sales, therefore, until further notice, may only be made of equal quantities Spanish and French at 1*l.* less than American and French, or French alone, at 105*s.* London, 105*s.* 6*d.* Liverpool and Glasgow, and 106*s.* Bristol and Manchester.

Wax, Japanese, is dull and lower, the spot value of fair slabs being about 115*s.* per cwt.

Zinc Products.—The tone is firmer owing to the advance of 2*l.* per ton in official quotations for spelter, ranging from 56*l.* to 62*l.*, but the spot price is 57*l.* ex warehouse. English zinc oxide of best quality is worth about 85*l.* delivered London. Zinc ashes are selling at about 25*l.* f.o.r. basis 70 per cent. The outlet for zinc dust is large, and prices are firm at 90*l.* up to 108*l.*, according to grade.

Exports to Holland.

The Director of the War Trade Department, Westminster, S.W. 1, announces that export trade with Holland can now be resumed under licence, and that his Department is prepared to receive and consider applications for the grant of licences.

Import and Export Notice.

The Board of Trade announce that the following relaxations of the existing prohibitions of export and import have been brought into force from November 21:

Headings Transferred from one List to Another.

From "A" to "C" lists: Acetate of lime; agar-agar; cerium and its alloys (except ferro-cerium); kola-seeds (or kola-nuts); mercury, compounds of mercury, and mixtures and preparations containing mercury or its compounds; photographic materials, sensitised, of all kinds, whether exposed or not; tantalum, alloys of tantalum, and ores containing tantalum. From "A" to "B" lists: Baudruche-skin; surgical bandages and dressings. From "B" to "C" lists: Aluminium, oxides of, and mixtures containing aluminium oxides; aluminium sulphate, alunite; graphite, and mixtures containing graphite.

Headings Requiring Alteration.

Delete.	*Substitute.*
(A) Aërated and mineral waters.	(A) Aërated and mineral waters except unsweetened mineral waters. (C) Unsweetened mineral waters.
(A) Coal tar, all products obtainable from and derivatives thereof, suitable for use in the manufacture of dyes and explosives, whether obtained from coal tar or other sources, and mixtures and preparations containing such products or derivatives.	(A) Coal tar, all products obtainable from and derivatives thereof (except solvent naphtha) suitable for use in the manufacture of dyes and explosives, whether obtained from coal tar or other sources, and mixtures and preparations containing such products or derivatives. (C) Solvent naphtha.
(A) Glue, osseine, and concentrated size (and other sizings made from glue), fish-glue, isinglass, finings, and other kinds of gelatine.	(A) Glue, osseine, and concentrated size (and other sizes and sizings made from glue), fishglue, finings, and other kinds of gelatine. (C) Isinglass (not including gelatine).
(A) Gluestock of all kinds, including animal hoofs, untanned hides and pelts, not otherwise prohibited, fish bladders, and fish skins.	(A) Gluestock of all kinds, fish bladders. (C) Fish skins.
(A) Paraffin wax, and mixtures and preparations thereof containing 20 per cent. and upwards of paraffin wax, but not including wax-paper.	(A) Paraffin wax. (C) Mixtures and preparations of paraffin wax.
(A) Resins, resinous gums, and resinous substances (except such as contain caoutchouc) and articles containing them.	(A) Resins, resinous gums, and resinous substances (except such as contain caoutchouc), and except the following, which are on List C: Gum ammoniacum, gum caramania (hog gum), gum galbanum, gum gamboge, guaiacum resin, Indian gum (gum ghatti), jalap resin, kaladana resin, gum olibanum, podophyllum resin, Indian podophyllum resin, gum sagapenum, gum thus, and articles containing resins, etc.
(A) Salt.	(B) Salt other than rock salt. (C) Rock salt.
(A) Spices and mixtures thereof not otherwise specifically prohibited.	(A) Spices, the following: Black pepper, white pepper, cloves, ginger.

In explanation of the changes it should be noted that goods on List "A" are prohibited to all destinations, and goods on List "B" to all destinations outside the British Empire, while goods on List "C" are prohibited only to countries bordering on enemy countries.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London

(Nov. 16 to 22).

Casein, 2,580*l.*
Chemical products, etc., unrated, 6 cs. 40 kgs.
Acetic acid, 60 cbys.
Argol, 128 cks.
Arsenic, 54 cwt.
Calcium citrate, 6 bgs.
Cream of tartar, 73 brls. 22 cks.
Potash, crude, 5 brls.
Soda carbonate, 102 cwt.
Drugs, etc., unrated, 4,990*l.*; herbs, dried, 30 bls.
Camphor, 206 cs.
Cardamoms, 150 bgs.
Cochineal, 15 sks.
Cumin-seed, 199 bgs.
Menthol, 10 cs.
Nux vomica, 357 bgs.
Orris, 31 bgs.
Turmeric, 96 bgs.
Vanilla, 1 cs.
Dyestuffs, tanning materials, etc., unrated, 3 cs. 42 pkgs.; gambier, 713 cs.; myrobalans, 24,400 pockets, 3,408 bgs.; tanners' bark, 518 tons
Gelatin, 2,536*l.*
Glue, 8,405*l.*
Gold-beaters' skin, 415*l.*
Perfumery, etc., (mostly raw materials), unrated, 1,381*l.*; perf. water, 91*l.*; toilet-powder, 68*l.*
Plumbago, 237 cks.
Soap, toilet, 1,856*l.*
Starches (cwt.): farina (potato starch), 6,893; dextrin, 700; wheat, 200
Wax, bees', 31 bgs. 232 cs.
Wax, carnauba, 809 bgs.
Wax, paraffin, 260 cwt.; scale, 595 cwt.
Wax, sperm-whale, 200 cs. 335 bgs.
Wax, sugar-cane, 523 bgs.
Wax, vegetable, 769 cs.
Zinc oxide, 200 cs.

To Liverpool

(Nov. 18 to 23).

Carbon, black, 500 cs.
Charcoal, animal, 1,194 bgs.
Chemical products, etc., unrated, 16 cs.
Acetanilide, 26 brls.
Arsenic, 113 cks.
Aspirin, 5 cs.
Bromide: ammon., 1 brl.
Phthalic acid, 10 drms.
Saltpetre, 1,750 bgs.
Soda perborate, 124 brls.
Tannic acid, 40 brls.
Drugs, etc. unrated, 8 bxs.
Cardamoms, 10 bgs.
Cascara sagrada, 1,080 bgs.
Liquorice-root, 25 bgs.
Quillaia, 136 bls.
Spike lavender oil, 4 drms.
Tonka-beans, 4 cks.
Dyeing and tanning materials, etc.: cutch, 950 bxs.; fustic-wood, 41 tons; hematine cryst., 146 brls.; logwood, 45 tons; logwood ext., 365 cks.; myrobalans, 616 bgs.; myrob. tanning ext., 64 cks.; quebracho tanning ext., 617 bgs.; quercitron-bark ext., 260 pkgs.; redwood ext., 3 cks.; wattle-bark, 334 bls.
Gelatin, 839*l.*
Lithopone, 374 cks.
Starch: wheat, 240 bgs.
Wax, bees', 13 brls. 26 pkgs. 130 bgs.
Wax, paraffin, 4,309 bgs. scale, 4,128 brls.

Correspondence

Irish Drug-trade Representation.

Sir,—The candidature of Sir Thomas Robinson in the South Dublin constituency affords an excellent opportunity to Irish chemists for their representation in Parliament. Although he has been selected in the Unionist cause this should not deter pharmacists of different political opinions from giving him their support in their own interests, and accordingly I suggest that every member of the drug-trade in Ireland who has a friend on the register in the South Dublin constituency should try to secure that vote for Sir Thomas Robinson. Nobody in the Irish drug-trade has a wider or more varied experience of our calling—wholesale and retail—nor has anybody our interests more at heart. His presence at Westminster would be most desirable in view of the great probability of drug-trade questions arising in the general process of reconstruction. Let us all do everything possible in helping to secure his return.

Dublin. Speaker. (236/29.)

How Advertising Helps.

Sir,—With reference to the inquiries you have received as to the way I keep track of sales of particular items, my own method (not necessarily the best) is the alphabetical filing of invoices. Few items in my business have more than one or two sources, and the necessary invoices are quickly lifted out and items for any period totalled. There is surely a very great difference between new inside competition—where the man who opens a fresh chemist's shop has to consider the whole possibilities of the situation—and outside competition, where existing distributing agencies turn their attention to lines that are ready for them. The new chemist will require an opening, but the general dealer will need a few shelves and a 30*l*. order to a patent house. Moreover, most of us, rightly I think, turn more and more to our shops as more really the key to good business than the best dispensing-counter or other ministering department. And so we want goods that are distinctly chemist's goods and not general dealer's goods. We can make nearly any good line the line for the districts we cover, but for any line for which we do this we need the whole business, without a heavy leakage on the repeat sales; because if we are efficient for the initial sales we are also efficient for the repeats, and the leakage is due to the activities of the general trader, and not to shortcoming in "service" on our part. All packed goods are so easily handled that, as we become more entirely shopkeepers, the point I have emphasised becomes increasingly important.

Yours faithfully,

Mortar. (91/19.)

The Question of Salary.

Sir,—The letter of "Another Midlander" (*C. & D.*, November 23, p. 51) is most interesting, but a trifle one-sided. Firstly, putting individual cases to headquarters would not always mean dealing with a case on its merits. Men showing too independent a spirit can be turned down when dealt with one at a time; with a union that would be impossible. In many cases the man may be in the right, but a large employer has the whip hand dealing singly with his men. It must be said some firms deal fairly with their men on the whole, but the danger of being turned down makes many a man hold back his feelings, often to the disadvantage of both employer and employé. Secondly, a pharmacist (with one shop) can keep open his pharmacy on his own qualification, and therefore is not compelled to pay his man so much, but immediately he opens a branch (and he does so for further gain to himself) he could not carry on without his man's qualification. So with the greater companies; they could not carry on business at all if it were not for the qualification of their managers, and it is for that they have to pay, apart from the actual work done by the man; and no one admits more readily that the success of their business is dependent on the managers than the directors of companies. Thirdly, many men have not the capital to run a business, and do not care to do so on borrowed money. In the case of a company borrowed money is the essence of the business by producing a good investment to outsiders, but to a private man it may be a millstone round his neck. In regard to the remarks concerning exemption certificates, the less said the better; the advantage was mutual. In the case of a company it would have been qualified men taken, branches closed, and reduced dividends. Let us work for the "uplift" of pharmacy from both sides, and, as "Another Midlander" says, let us not forget the advantages to our fellow-craftsmen by combination, organisation, and unity. I would like to point out that the strongest trade union in the country is that of the medical men, and I do not quite grasp his remarks about unskilled and semi-skilled men, as if they were the only ones reaping the advantages now of principles embraced years ago.—Yours faithfully,

Coast. (233/18.)

Sir,—Regarding the first question of "Another Midlander" (*C. & D.*, November 23, p. 51) there can be but one answer, and that is a decided No. The second is not to the point, for the simple reason that the "exemption certificates" were of quite as much value to the employer as to the employé. I take it that "Midlander" and "Subvenio" are probably judging by the bonus they have received as compared with some of their subordinates. I should very much like "Another Midlander" to point out the advantages enjoyed by the managers of a corporate body during the war. The increase of work, supervision, and responsibility entailed thereby has not, in my opinion, received the consideration it merits. Undoubtedly it is open to any man to embark on a venture of his own, but the amount it is possible for many to save renders this problematical; others may have responsibilities which make it impossible. Union is all very well in so far as it protects employés from unjust employers, but self-help is much better when possible. I venture to suggest to "Midlander" and "Subvenio" that they work on, do their best, and adopt my *nom de plume* as a motto.

Yours faithfully,

Nil Desperandum. (236/17.)

Sir,—The letters of "Midlander" and "Subvenio" that have appeared in recent numbers have created a wide interest, as it is quite evident that they are both controlled by the same management, and in view of their dissatisfaction the advice contained in the letter of "Another Midlander" (*C. & D.*, November 23, p. 51) should prove useful to them. Discontent is certainly not the best thing for the employer or employed. I do not hold a brief on behalf of the management of these associated companies in any way, but it is only common fairness to state that they have done more than anyone to improve the conditions of service of chemists as managers and assistants from the financial point of view as well as the weekly number of working hours. If the correspondents referred to are dissatisfied with their salaries they have only themselves to blame, as they are not in any sense conscripted labour, and I presume that when they first "joined up" they were consenting parties to the salaries then arranged. "Subvenio" bewails the fact that the rate of commission allowed on the sale of certain articles was permanently cut down, but he forgets that particularly high rates were paid during the introductory period on the distinct understanding that when the articles were established the rates would be reduced; and, further, numerous new lines of the same "family" have been brought out which sell on sight owing to the popularity enjoyed by the original articles introduced. Since manufacturers and agents have not been able to give regular deliveries of well-known advertised proprietaries, the sales of commission lines have considerably increased to the benefit of the seller, on whose part it has required but very little effort to effect the transaction. No doubt a large percentage of the branch managers of the associated companies are in the position to commence business on their own account, or to purchase established businesses, but they prefer to hold a comfortable position with a fair income rather than to be at the beck and call of an ungrateful public at all hours of the day and night. "Subvenio" thinks that working for other people is not much use, but experience has shown us that frequently good servants make poor masters. The advantages gained by combination and organisation are numerous, but even they will not remove the cause of discontentment for ever. The recompense of men's services in managing chemists' businesses of various sizes and conditions cannot be estimated in the same way as the setting in position of so many bricks—at so many pence per hour.—Faithfully yours,

Not a Midlander. (237/91.)

Sir,—I should like to suggest to "Another Midlander" that he has missed the whole gist of the remarks made by "Midlander" and "Subvenio," and also introduced the subject of exemptions, which he had much better left alone. First, with regard to salary, a man could do as well, if not better, with a private chemist of good standing, and he certainly would not lose his status as a chemist to such a degree with him as with a company, and surely some compensation is needed to meet that. Another point is that a company man in a very short time develops into a machine. He is allowed to show no initiative, can only order in certain goods, and never sees a traveller, so consequently loses touch with the drug-trade generally. I

quite agree with "Subvenio's" remarks, as I have been during the last two years in twelve company shops, and, as he says, the essential parts of the spade-work, since they carry no commission, are always left to the most irresponsible people, while the manager spends his full time at the counter. It would do "Another Midlander" a deal of good to spend a year going round the branches of his company and study the existing conditions—managers getting all the kudos in the shape of bonuses, and all the responsible work being carried out by the assistants. With regard to "exemption certificates," I simply ask him, Was it patriotic? and were they genuine?

Yours faithfully,
SOUTHERNER. (26/11.)

Assistants in the East.

SIR,—I have read with much interest the letter of "Seefair" in the *C. & D.*, June 15, under the above heading, and am of the opinion that his letter is totally misleading. To begin with, he states that "it is possible for a young man to live on $100 a month in the Straits Settlements even at the present time." I wonder where he gets his figures from. I give below a list of the principal expenses a young man must pay out every month in Singapore before he thinks of luxuries:

Board and lodging	$90.00
Boy	15.00
Dhobie	5.00
Rickshaw (transport)	15.00
Total	$125.00

I have put the transport at $15, which is a very low figure, for a European likes to live among Europeans and not among Asiatics; the European district in Singapore is at least from two to three miles out of town. There is also to take into consideration clubs; every young man has to join at least two clubs in Singapore—the cricket club and the swimming club—and if he is a golfing enthusiast he naturally would want to join a golf club. The subscriptions for the clubs mount up. You can see, therefore, from the above that $100 a month to live on is out of the question. I believe the living in Penang is much higher than in Singapore. I would not recommend any young man to come out to the Straits Settlements or the Federated Malay States at a lower figure than $250 per month for the first year of his first agreement. I am rather surprised that "Seefair," who claims to have resided for a long time in the East, and in consequence must be in a position to engage assistants, should even think of offering a young man less than $250 per month. The reason why young men sometimes do not turn out satisfactory, as "Seefair" states, is due to one thing only, and that is because they are poorly paid and do not get a chance to save money. They do not know the conditions of living out here until they arrive, and then they find that everything is totally different from what they expected. They approach their employers for an increase, who turn round and tell the young man to stick to his agreement. Do you wonder at young men sometimes turning out unsatisfactory under these conditions? If the employer plays the game with the employé you will always find the employé doing his best for his employer. Young men do not come out East for the benefit of their health. Turning to another part of his letter, "Seefair" says, "In future there will not be so many Britishers required out East." What does he think will happen after the war? Are we to give up our businesses to Chinese or Japanese? Perhaps "Seefair" would like to see the Germans cutting into our trade again. No; after the war will be the time when more Britishers will be required to keep the trade in British hands and keep the "Old Flag" flying. Has "Seefair" forgotten the little incident that occurred a few months ago in the Malacca General Hospital, whereby six patients were fatally poisoned through the carelessness of the native dispenser? Who wants to trust Asiatics to dispense medicines without proper European supervision? I am sorry to take up so much of your space, but I should like to mention before closing that the oldest chemist out here, Mr. Jas. Mackenzie, said to me on reading "Seefair's" letter, "I came here twenty-seven years ago on the magnificent salary of $100 per month, when the dollar was worth 3*s.* 10*d.* and its purchasing power four times what it is now, and even in those days it was impossible to live on it; what about now? I had an increase in the first two weeks, otherwise I could not have existed on it even in those days." This letter is intended to give agents or wholesale firms who engage assistants for the East an idea of the cost of living out here, otherwise a wrong impression might get around at home when sending out assistants.—Yours faithfully,

T. M. MABEN, Hon. Secretary.
Straits Pharmaceutical Association, Singapore.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Jem (185/70).—BOOT-POLISH.—The paste form is made as follows:

Yellow wax	2 oz.
Stearic acid	1 oz.
Linseed oil	1 oz.
Melt and add—	
Oil of turpentine	6 oz.
Ultramarine	½ oz.
Nigrosin	½ oz.
Stir until it begins to set, then add—	
Hard soap	1 oz.
Dissolved in—	
Water	5 oz.
Stir until cold.	

J. R. (213/7).—(1) FOWL CHOLERA.—There is no treatment of any avail for this. The carcases of birds that have died of the disease should be burned and the coops thoroughly disinfected. (2) DIGESTIVE SYRUP:

Euonymini	gr. xxxvj.
Dec. aloes co. conc.	ʒxij.
Pulv. boracis	ʒij.
Ol. sassafras	ʒj.
Pulv. capsici subtil.	ʒj.
Pulv. gentianæ	ʒiij.
Ol. gaultheri.	♏xij.
Spt. vini rect.	℥iss.
Ext. taraxi. liq.	℥iss.
Theriac. ad	℥xxiv.
Misce.	

Dose: Twenty to thirty drops in water.

W. M. T. (211/26).—(1) We know nothing about the Prussian dentifrice "made specially for the English market." It is time your customer learnt to do without German rubbish. (2) THE ICED EFFECT in household ammonia is produced by using a definite proportion of lime salts. Martindale's "Extra Pharmacopœia" gives the following:

Castile soap	1.3
Dissolve in—	
Water	60
And add—	
Strong solution of ammonia ...	27
Lime-water	0.6
Water to	100

Hospital (221/40).—HOSPITAL DISPENSERS' HOURS.—In the general London hospitals these vary from 9 to 5 or 6, and in the larger ones like St. Bartholomew's, Guy's, etc., the dispensers take late turns until 8 P.M. Venereal disease clinics complicate matters, as the work for these has to be done between 6 and 8 P.M. At one large hospital the hours are 9.30 to 6; Saturdays to 2 P.M.; venereal clinic dispensing, special arrangements, 6 to 8 P.M., three days a week; Sundays one to two hours' duty; Bank Holidays the same for in-patients only. Generally speaking, the dispensers' hours in hospitals may be put at 9 to 6; 2 on Saturdays; and one to two hours' duty on Sundays.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 14, 1868.

The First "C. & D. Diary."

It seems somewhat singular that so large and important a trade as ours should have remained so long without a special almanack. This manifest want is now about to be supplied in the form of "The Chemists' and Druggists' Almanack and Pharmaceutical Text-book for 1869," which will be published on the 15th December. It will contain, besides the usual information given in almanacks, a Digest of the laws affecting Pharmacy, a complete set of useful tables specially compiled for this work on a new plan, a series of receipts and prescriptions from an eminent pharmaceutical writer, notes on books, description of new remedies and counter novelties, and a host of information of the most valuable kind.

PHENOQUIN

(SOUTHALL)

Is specific in the elimination of uric acid from the system. It is the one British product replacing the pre-War German Atophan.

Phenoquin has proved exceptionally efficacious in acute Gout, chronic Gout, and other forms of Arthritis, promptly causing a remarkably rapid increase in uric acid secretion.

Phenoquin has also proved its value in acute articular Rheumatism and Sciatica. Dosage—5–15 tablets daily.

Packed in bottles of 50 and 100 tablets, **6**/- and **11/6** each. Wholesale, **50**/- and **96**/- dozen.

ALDEMINT

Registered

Antiseptic Throat Tablets

Liberating FORMALDEHYDE when dissolved in the mouth.

These tablets effectually cleanse the mouth and respiratory passages from all germs, etc., and effectively replace treatment by "gargles" in relaxed throats and laryngeal ailments generally.

In screw-capped ambers bearing 6d. stamp, **2**/- each.
Wholesale, **17**/- per dozen.

(LYSOL BRITISH)

LYCRESOL

A Standardised Disinfectant

A concentrated antiseptic composed of Cresylic Acid and a Detergent Soap. Contains 50% free Cresylic Acid, and is more germicidal than pure Carbolic Acid.

Measuring Cup with each bottle.

In ambers—	4	8	16	32 oz.
	9d.	1/3	2/3	3/6 each.
Wholesale—	6/4	10/6	19/-	33/9

Gallon tins, **14**/- each. Wholesale, **94/6** dozen.

Vitafer

The All-British Tonic Food

Introduced and Manufactured by Southall Bros. & Barclay in 1910.

In tins ... ... **2**/-, **3**/-, **5/6**, and **10**/- each.
Wholesale ... **16**/-, **24**/-, **44**/-, and **80**/- per dozen.

"INFLUENZA" WINDOW BILL and "SHORTAGE OF MEAT" WINDOW BILL post free on application.

Special Window Show Terms for the United Kingdom.

WRITE FOR PARTICULARS.

Cystoformin

Reg Trade Mark

The primary action of Cystoformin is that of a powerful urinary antiseptic, and in this field its range of usefulness is very wide, embracing practically every infected condition of the bladder or urinary tract.

A Powerful Urinary Antiseptic.

In tubes of about 20 tablets, **1/6** each.
Wholesale, **12**/- per dozen.

COMPOSITION: Hexamine with Sodium Acetate representing 40 per cent. of its weight of the former, in 17-gr. tablets.

HIPPURATES

OF SODIUM, AMMONIUM AND LITHIUM,

indicated in cases of hypertension and in arterial pressure, and as a preventative treatment in Gout and Arterio-Sclerosis. - - - - - - - *Prices and particulars on application.*

Sole Manufacturers:

Southall Bros. & Barclay, Ltd., Birmingham.

EVANS

FOR

Drugs and Chemicals.
Capsules, Pills and Tablets,
Ointments, Emulsions and all Pharmaceuticals.

Bacteriological Preparations,
Vaccines and Sera.

Clinical and Bacteriological Examinations.

Organo-Therapeutic Products.

Counter Adjuncts
(Packed Preparations, labelled with a distinctive label and your own name and address.)

Druggists' Sundries.
Photographic Goods.
Patent and Proprietary Articles.

We would call attention to the numerous alterations in our Monthly Price List.
Several improvements have been made, and a study of the list in its present form will be worth attention.

Evans Sons Lescher & Webb Ltd.

LIVERPOOL and LONDON.
Also NEW YORK, U.S.A.

Telegrams: "AGENTICUM, GRACE, LONDON." Telephone: AVENUE 1098 (2 lines).

A. JOHNSON & CO. (LONDON) LTD.

3 Gracechurch St., LONDON, E.C. 3

Branch Offices at NEW YORK, PARIS and STOCKHOLM.

OFFER SPOT AND FORWARD DELIVERY—

Acid Benzoic
" Citric
" Pyrogallic
" Salicylic
" Tannic
" Tartaric
Barbitone
Bromides
Caffeine
Creosote Carbonate

PHENAZONE AND PYRAMIDON

Guaiacol Carbonate
" Crystals
" Liquid
Hydrokinone
Paraldehyde
Phenacetin
Pot. Sulpho-gualacolate
Resorcin
Salol
Vanillin 100%

Inquiries Solicited. *WHOLESALE & EXPORT.*

CHEMICALS

APPLY

BROTHERTON-RATCLIFFE & Co. Ld.

WINCHESTER HOUSE, OLD BROAD ST.,

TELEPHONES L.W. {5085 2692 LONDON, E.C.2. TELEGRAMS {EBBENZOLLA, AV., LONDON.

EMETINE

HYDROCHLORIDE
HYDROBROMIDE

ALSO

EMETINE - BISMUTH - IODIDE,
ATROPINE, STRYCHNINE,
CAFFEINE, THEOBROMINE, NICOTINE
QUININE SALTS,
IODINE & BROMINE PREPARATIONS

Mercurials, Refined Camphor,
MORPHINE AND CODEINE
Alkaloids and Salts.

Opium and all Opium Derivatives.

SANDAL WOOD OIL.

Whiffen & Sons, Ltd., are sole Consignees of the

Mysore Government

Standard Product.
Complies with requirements of all Pharmacopœias.

Samples can be had upon application to—

WHIFFEN & SONS, LTD., BATTERSEA, LONDON, S.W. 11.

Telegrams: "Whiffen London." Telephones: 254, 255 Battersea. Codes for Telegraphing: A B C; Lieber's.

"Ichthyol"

The German product equalled, if not excelled, by "ITTIOLO," manufactured from the ichthyolitic shales of GIFFONI VALLEPIANA, has been brought to the notice of all medical men in this Country Italy, France and America.

Manufactured by the
SOCIETA INDUSTRIE CHIMICHE "ITTIOLO"
Via Medina 24, Naples, Italy.

Analyses, pamphlets and prices on application to Sole Agent in the U.K.:

PAUL BEHRENDS
(of HAVRE)
4 ADRIA ROAD, DIDSBURY,
MANCHESTER.

ESTABLISHED 1890.

The London Oil Refining Co.,

Browning St., Lucy St.,
MANCHESTER, S.W.

Wire "Premier," Manchester. | Importers, Merchants Manufacturers. | 'Phone Trafford Pk 699 & 285

General Supplies for Wholesale Druggists

Sweet, Pale,
Brilliantine Oil,
Etc.

Wholesale

15/-
30/-
40/-

per dozen.
ON P.A.T.A.

Ess Viotto

for the Hands.

Retail

1/10½
3/9
5/-

per bottle.
ON P.A.T.A.

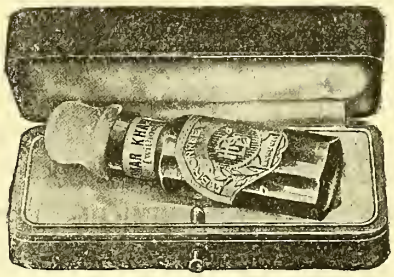
Courvoisier's PERFUMES

OMAR KHAYYAM

38/- 72/- 138/- 264/- per doz. net.
4/9 9/- 17/3 35/- per bottle.
ON P.A.T.A.

C.C. PERFUMES

(Without Spirit)
In all flower odours, as Lily, Violet, Roses, etc.



ALSO OMAR KHAYYAM C.C., VIOTTO C.C.

30/- per doz. net. 3/9 per vial.
ON P.A.T.A.

H. BRONNLEY & CO., Ltd., ACTON VALE, London, W.3.

QUINING AND SALTS

CINCHONIDINE
CINCHONINE
QUINIDINE

SUGAR-COATED QUININE TABLETS & PILLS.
GELATINE-COATED OVAL PILLS

BANDOENG QUININE FACTORIES

BANDOENG-JAVA.
Telegrams—"Kininefabriek Bandoeng."

AMSTERDAM—Keizersgracht 173
Telegrams—"Schalkwyk Amsterdam."

SOLE AGENTS FOR THE UNITED KINGDOM—

C. M. & C. WOODHOUSE, 30 Mincing Lane, London, E.C. 3.

Telegrams—"Palmiste, Telew, London."

SAMPLES AND PRICES ON APPLICATION.

Largely increased Production and Sale. Special Terms to Large Shippers.

PRECIPITATED CHALK

CRETA PRÆCIPITATA (Calc. Carb. Præcip. Leviss.)

SPECIAL QUALITY.

FINEST, LIGHTEST, and PUREST IN THE MARKET.

G W N

Every particle is passed through a mesh of 40,000 to the square inch.

NICHOLS CHEMICAL CO., Ltd., Baxenden, Nr. ACCRINGTON.

"The purity of this Chalk is still maintained, and a feature of considerable interest to Pharmacists who pack their own dentifrices is the exceptional lightness of the article. Two ounces of the G. W. N. Brand occupy the space required for three ounces of the denser kinds in the market."—CHEMIST & DRUGGIST.

London Agents: H. E. STEVENSON & CO., 122 Great Suffolk Street, S.E.

Paris Agent.
L. WEILER, 2 Rue Theophile Roussel, 12e.

New York Agents.
P. E. ANDERSON & CO., 99 John Street, New York.

SAL AMMONIAC ... ... Apply direct. (2)

SULPHATE OF MAGNESIA

(EPSOM SALTS)

Druggists' Refined B.P.
& Commercial Qualities

PROMPT AND FORWARD DELIVERY

C. CHRISTOPHERSON & CO.

6 Lloyd's Avenue, London, E.C.3.

Telephone Nos.: AVENUE 3220 and 3221.

Sole London Agents for

JOSEPH TOWNSEND LTD.
GLASGOW.

FOR

QUININE & SALTS

ALSO

QUINIDINE
CINCHONINE
CINCHONIDINE } AND SALTS

AND

SUGAR-COATED QUININE TABLETS

MANUFACTURED BY

AMSTERDAM QUININE WORKS,
Wittenkade 48/50, Amsterdam,

APPLY TO

SOLE AGENTS for the UNITED KINGDOM:—

COURTIN & WARNER, 8 Harp Lane, London, E.C.3.

For samples, prices and particulars.

Telegrams: "Accourtwa, Bilgate, London."
Telephone No.: Avenue 2220.

GRAND PRIX, BRUSSELS, 1910
GRAND PRIX, LONDON, 1909
GOLD MEDAL, ST. LOUIS, 1904

Estab. 1844.

Thomas Tyrer & Co.

LIMITED.

Thomas Tucker, Manager.

Stratford, London, *ENG.*

Our Reputation Your Guarantee.

"Sterling"

BRAND

FINE CHEMICALS

Pharmaceutical and Technical.

ETHERS, HYPOPHOSPHITES BISMUTHS, MERCURIALS, GRANULAR AND SCALE PREPARATIONS.

Acetone, Acids, Amyl-Acetate, Antimony Salts, Barium Salts, Bromides, Citrates, Collodions, Calcium Salts, Copper Salts, Driers, Iodides, Lead Salts, Manganese Salts, Nickel Salts, Phosphides, Phosphates, Potassium Salts, Pyroxylin, Siccatives, Sodium Salts, Sulphur, Thorium Salts, Tungsten Salts, Zinc Salts.

Rare Gases—
Argon, Helium, Neon, Krypton.

QUALITY AND TONE

The Chemist, as well as the Clinician, recognizes the superiority of the original

Fellows' Syrup

to the ever-increasing preparations of the Compound Hypophosphites, and should co-operate with the manufacturers against the substitution of inferior imitations for the genuine.

The price of FELLOWS' SYRUP has been protected for many years

THE FELLOWS MEDICAL MFG. CO., Inc.
NEW YORK

SOUTH AFRICA, from Cape Town to the Zambesi

LENNON LIMITED

Wholesale Druggists, Manufacturing Chemists, Druggists' Sundriesmen.

Established in
SOUTH AFRICA
at

CAPE PROVINCE
Cape Town
Port Elizabeth
East London
Kimberley
Graaff Reinet
Aliwal North
Oudtshoorn
Wynberg
Mossel Bay
Stellenbosch

TRANSVAAL
Johannesburg
Ferdsburg
Germiston

NATAL
Durban

ORANGE FREE STATE
Bloemfontein

RHODESIA
Bulawayo
Salisbury
Gatooma

DEALERS IN
Surgical Instruments, Dental, Optical, and Photographic Goods, Perfumery, and Assay and Mining Requisites.

Contractors to the Governments of
CAPE PROVINCE, NATAL, RHODESIA, TRANSVAAL, and ORANGE FREE STATE.

London Office, Warehouse, and Factory—
12-14 LAFONE STREET, TOWER BRIDGE, S.E.

Unrivalled position for the introduction and handling of Specialities

Alliance Drug & Chemical Co. London

Offices: 34 LEADENHALL STREET.

NOTE.—Only terms, Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free: Export cases extra.

Acetanilide, B.P., 1 lb. @ 7/9 lb.; 7 lbs. @ 7/6 lb.; powder, 1d. lb. extra.
Ammon. Carb., lump, 3 cwt. @ 9d. lb.; 28 lbs. @ 10½d. lb.; 7 lbs. @ 11d. lb.; powder, ½ lb. ex.
Bismuth, P.B., Carb., 3 lbs. @ 16/6 lb.; 1 lb. @ 17/- lb.; subnit., 3 lbs. @ 15/3 lb.; 1 lb. @ 15/9 lb.
Camphor, English Flowers, "not artificial," 5 lbs. @ 6/10 lb.; ½ oz. 7 lbs. @ 8/- lb.
Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 3/6 lb.; 10 lbs. @ 3/9 lb.
*Ext. Ergot. Liq. P.B., 5 lbs. @ 8/6 lb.; 1 lb. @ 8/9 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 2/2 lb.
*" Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* " Buchu Conc., 1 to 7, 6 lbs. @ 4/- lb.
* " Calumbæ Conc., 1 to 7, 6 lbs. @ 2/6 lb.
* " Caryoph. Conc., 1 to 7, 6 lbs. @ 2/6 lb.
* " Cascarilla Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* " Cinchonæ Acid, 1 to 7, 6 lbs. @ 2/10 lb.
* " Gentianæ Co., 1 to 7, 6 lbs. @ 1/8 lb.
* " Quassiæ Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* " Rhei Conc., 1 to 7, 6 lbs. @ 2/3 lb.
* " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 3/4 lb.
* " Senegæ Conc., 1 to 7, 6 lbs. @ 5/- lb.
* " Valerian Conc., 1 to 7, 6 lbs. @ 2/8 lb.
*Liq. Hamamelidis, B.P., 6 lbs. @ 2/6 lb.
* " Hypophosph. Co., p.s., B.P.C., 1 lb. @ 6/1
* " Iodi Fort, B.P., 5 lbs. @ 8/2 lb. lb.
* " Morphinæ Acet. or Hydrochlor., P.B. 6 lbs. @ 6/6 lb.
* " Opii Sed., 5 lbs. @ 11/- lb.
Sodii Salicyl. Pulv., 2 lbs. @ 7/- lb.
*Spt. Æther Nit. P.B., 4½ lbs. @ 5/10 lb.
* " Ammon. Aromat., P.B., 5 lbs. @ 4/10 lb.
* " Chloroform, P.B., 5 lbs. @ 6/- lb.
*Syr. Scillæ, P.B., 7 lbs. @ 1/- lb.
* " Sennæ, P.B., 7 lbs. @ 1/6 lb.
* " Tolut, P.B., 7 lbs. @ 1/4 lb.

* Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

Becker, Shillan & Co.

40 Eastcheap, LONDON, E.C.3.

Telegraphic Address: "BECKDIETZ, LONDON."
ESTABLISHED 1862.

OFFICES AT
LIVERPOOL, MANCHESTER, GLASGOW, PARIS & NEW YORK.

EXPORT—IMPORT.

Drugs, Chemicals and Pharmaceutical Products.

Cream of Tartar

395s. Less 2½ %

Ex Wharf London spot delivery.

Contracts made for forward deliveries of

Tartaric Acid.

Quotations given on application.

The Treatment of Disorders caused by Distomatosis.

LIVER-FLUKE KILLS
Sheep and Cattle.

LA FOUGÈRE GIGNOUX

(Veterinary Extract of Male Fern)

KILLS LIVER-FLUKE
and Cures the Animals.

Pamphlets and Price Lists on Application.

GIGNOUX FRERES & BARBEZAT,
Manufacturers of all kinds of Pharmaceutical Extracts,
DECINES, near LYONS (France).

London Agent: R. Ansay, 44 Wilson Street, Finsbury, E.C. 2.
(Telephone: London Wall 3103.)

MONSANTO CHEMICAL WORKS

ST. LOUIS, MO., U.S.A.

MANUFACTURERS OF

ACETANILID — **ACETPHENETIDIN** (Phenacetin)
ACETYL-SALICYLIC ACID (Aspirin) — **CAFFEINE** (Pure Alkaloid)
CHLORAL HYDRATE — **PHENOLPHTHALEIN**
CARBOLIC ACID CRYSTALS — **COUMARIN**
SACCHARIN — **SALICYLIC ACID**
SALICYLATE OF SODA — **SALOL**
VANILLIN
GLYCEROPHOSPHATE of CALCIUM
GLYCEROPHOSPHATE of SODIUM
(Pure Crystals and Powdered)
GLYCEROPHOSPHATE of SODIUM
(Solution 75 %)
GLYCEROPHOSPHATE OF POTASSIUM 75%

Also GLYCEROPHOSPHATES of IRON, MANGANESE, MAGNESIUM, etc.

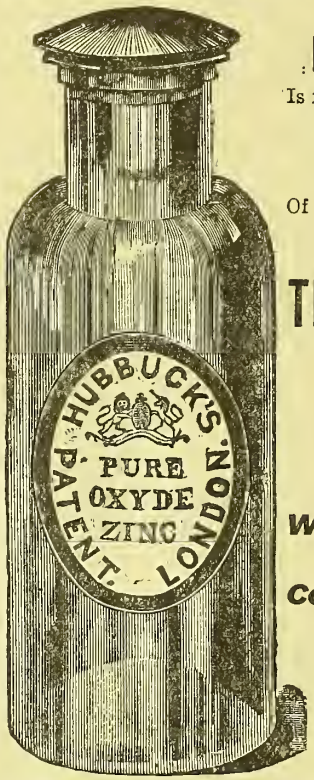
GILL & DUFFUS, Agents, 20, 21 St. Dunstan's Hill, London, E.C.3

HUBBUCK'S PURE OXIDE OF ZINC.

Sold by the following Wholesale Druggists in Boxes of 7 lbs. and 14 lbs. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles :—

Allen & Hanburys (Lim.)
Ayrton, Saunders & Co. (Lim.)
Baiss Bros. & Company [(Lim.)
Bell, Jno., & Co. [(Lim.)
Bleasdale (Lim.)
Boots' Pure Drug Co.
British DrugHouses(Lim.)
Burgoyne, Burbidges & Co.
Butler & Crispe
Clay, Dod & Co.
Cockburn & Co. (Lim.)
Corbyn, Stacey & Co.
Dakin Brothers.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans Sons Lescher & Webb (Lim.)
Ferris & Co.
Gale & Co.
Glasgow Apothecaries' Co.
Glasgow New Apothecaries' Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan (Lim.)
Harkness, Beaumont & Co.
Hatrick, W. & R., & Co.
Hirst, Brooke & Hirst.
Hodgkinson, Prestons & King.
Hodgkinsons, Clarke & Ward.
Horner & Sons.
Huskisson, H. O., & Co.
Inman's Stores (of Edinboro').
Ismay, John, & Sons
Lofthouse & Saltmer (Lim.)
Oldfield, Pattinson & Co.
Pinkerton, Gibson & Co.
Raimes, Clark & Co.
Raimes & Co.
Rankin & Borland.
Silversides, R. B. G.
Southall Bros. & Barclay.
Sumner, R., & Co.
Taylor, James.
Thompson, John (Lim.)
Willows, Francis, Butler & Thompson (Lim.)
Woolley, Jas., Sons & Co. (Lim.)
Wright, Layman & Umney (Lim.)
Wyleys (Lim.)

Barry, E. J., New York.
Carter, Carter & Kilham, Boston.
Finlay & Branswig, New Orleans.
Langley & Michaels, San Francisco.
Lehn & Fink, New York.
McKesson & Robbins, New York.
Muth Brothers & Co., Baltimore.
Roller & Shoemaker, Philadelphia.
Schieffelin, W. H., & Co., New York.
Shoemaker, R., & Co., Philadelphia.



HUBBUCK'S PURE OXIDE,

Is made by Sublimation, and is Warranted to contain upwards of

99 PER CENT.

Of Pure Oxide; in fact the impurities are not traceable.

THOS. HUBBUCK & SON, LTD.

(Established 1765)

24 LIME STREET, LONDON, E.C.3.

Manufacturers of—

White Lead, White Zinc, Paints, Oils, Colours, Varnishes, &c.

Australian Office—
34 QUEEN STREET, MELBOURNE.

The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

Ointments and Surgical Dressings

SPECIAL OFFERS

OINTMENTS.

Ung. Acid Boric P.B. ...	... 7 lb. 1/11½	; 28 lb. 1/10	per lb.
,, ,, Carbolic P.B.	... 7 lb. 1/9	; 28 lb. 1/8	,,
,, Hydrarg. Ammon. W.E.F.	7 lb. 1/10	; 28 lb. 1/9	,,
,, ,, Nit. W.E.F. ...	7 lb. 3/7	; 28 lb. 3/6	,,
,, ,, Oxid. Flav. P.B.	7 lb. 1/6	; 28 lb. 1/4	,,
,, Paraffin Alb. P.B.	... 7 lb. 2/-	; 28 lb. 1/10	,,
,, ,, Flav. P.B.	... 7 lb. 1/6	; 28 lb. 1/4	,,
,, Resinæ W.E.F. ...	... 7 lb. 2/8	; 28 lb. 2/6	,,
,, Sulphuris W.E.F.	... 7 lb. 1/11	; 28 lb. 1/9	,,
,, Zinci W.E.F. ...	... 7 lb. 2/-	; 28 lb. 1/11	,,

TERMS.

Net Cash with order, packages free, hampers or cases extra, ex warehouse London.

Please note that orders cannot be accepted for smaller quantities than those for which we quote.

SURGICAL DRESSINGS.

Lint Absorbent		3/11	per lb.
Cotton Wool...		2/5	,,
Boric Lint		3/-	,,
Bandages, 6-yard packets.	W.O.W. 1 in.	12/1	per gross
,, ,, ,,	2 in.	22/10	,,
,, ,, ,,	3 in.	33/9	,,
,, ,, ,,	4 in.	44/-	,,
,, ,,	G.O.W. 1 in.	11/8	,,
,, ,, ,,	2 in.	21/9	,,
,, ,, ,,	3 in.	32/5	,,
,, ,, ,,	4 in.	42/10	,,
Gauze, Plain White Absorbent, 6-yd. pkts.		13/-	doz. pkts.
,, Cyanide	,,	15/-	,,
,, Boric	,,	14/-	,,
,, Alembroth	,,	14/-	,,
,, Iodoform 5 % ...	,,	19/-	,,
,, ,, 10 % ...	,,	22/-	,,

B. W. HAIR & SON, Manufacturing Chemists & Wholesale Druggists

104 HIGH HOLBORN, LONDON, W.C. 1.

Established 1870.

SALICYLIC ACID, B.P.

SODIUM SALICYLATE, B.P.

HOLT, THOMPSON & CO.
(LIMITED)
Fine Chemical Manufacturers,
Manesty Buildings,
College Lane, **LIVERPOOL.**
Works: Binns Road, LIVERPOOL.
Telephones { Offices: Royal 2060. Works: Old Swan 413. Telegrams: "Salol Liverpool."

ASPIRIN

PURE ENGLISH
ACETYL-SALICYLIC ACID, B.P.
M.P. 135° C.

Free from SALICYLIC, ACETIC, TARTARIC, and CITRIC ACIDS, BORAX and all other impurities and adulterants.

The complete purity of our product, combined with its beautiful physical state and well-crystallised condition, render it easily superior in every way to the German product it has replaced.

PHYSIOLOGICALLY PERFECT.
Supplied in Wholesale Quantities only.

PICKARD, IVE & RANKIN, LTD.,
186/88 Walmer Road, Notting Hill, W. 11.
Phone: 4500 Park. **Telegrams: "Pickiveraa, Norkens"**

PURE RAW and/or BOILED LINSEED OILS

We now have a limited quantity of the above for sale, and can deliver

WITHOUT PERMIT or LICENCE

Full particulars as to price, &c., upon application to—

THOS. S. HARRIS & Co. Ltd.
4 LLOYD'S AVENUE, LONDON, E.C. 3

Telephone—Avenue 390 & 391.
Telegrams—"Oilcup, Fen, London."

WELCH & HORNER,

DRUG MERCHANTS & ESSENTIAL OIL IMPORTERS,
JUTE & COIR YARN COLOR MANUFACTURERS,

9-10 Jewry Street, and Carlisle Avenue, LONDON, E.C. 3.

Telephone—Avenue 3070. Telegrams—"Orrisroot, Fen, London."

Aloes (Curacao and Cape), Aniseed, Balsam Tolu, Block Juice, Cardamoms, Castile Soap, Colocynth Pulp, Dandelion Root, English Belladonna Leaves, Gentian Root, Gum Tragacanth, Irish Moss, Japanese Isinglass, Licorice Root, Marshmallow Root, Orange Peel, Orris and Senega Roots, Quassia Chips, Quillai (Bark and Cut), Rhubarb, E.I., all grades, Sarsaparilla, Scammony Root, Senna Leaves and Pods, Squills, Sulphur Flowers, &c. Oils of Eucalyptus, B.P., Lemon, Orange, Bergamot, Cassia & Peppermint (Jap.).

(*Kindly write for price list.*)

REGISTERED TRADE MARK.

No 368162.

THE PHOENIX CHEMICAL Co. Ld.

Jackson Street, Church, Accrington, *Lancs.*

PHOENIX BRAND — REGISTERED TRADE MARK No 368161

TARTARIC ACID

SULPHATE OF POTASH

THE CHEMICAL Co. Ld. BRAND ENGLAND

CREAM OF TARTAR

SODA POT. TART.

TARTAR EMETIC

Telephone: 2320 Accrington. Telegrams: "Acid Church."

SODIUM PHOSPHATE B.P.

RECRYSTALLISED & EXSICCATED.

PROMPT DELIVERIES FROM THE WORLD'S LARGEST MAKERS—

VICTORS Ltd., 16 DEANSGATE, MANCHESTER.

Works at St. HELENS & STALYBRIDGE. LONDON: 23-26 ST. DUNSTAN'S HILL, E.C.3.

ÉTABLISSEMENTS CHATELAIN,

2 & 2 bis RUE DE VALENCIENNES, PARIS.

Sole Manufacturers of

JUBOL

RE-EDUCATION OF THE INTESTINE.

Constipation, Enteritis, Hæmorrhoids, Indigestion, Skin Blemishes, &c.

Price 5/- per box.

GLOBÉOL

POWERFUL BLOOD TONIC.

Anæmia, Nervous Exhaustion, General Debility, Tuberculosis Convalescence, etc.

Price 5/- per bottle.

PAGÉOL

POWERFUL URINARY ANTISEPTIC.

Cystitis, Prostatitis, Catarrh of the Bladder, Renal Tuberculosis, etc., etc.

Price 5/- and 11/- per box.

JUBOLITOIRES

SCIENTIFIC SUPPOSITORIES

For Hæmorrhoids, Rectitis, Anal Fistula, etc. Anti-hæmorrhagic, Sedative, De-congesting.

Price 5/- per box.

URODONAL

POWERFUL URIC ACID SOLVENT.

Rheumatism, Gout, Arterio-sclerosis, Stones, Gravel, Sciatica, Neuralgia and all Uric Acid disorders.

Price 5/- and 12/- per bottle.

VAMIANINE

New Scientific Preparation for Chronic Skin Affections, Psoriasis, Eczema, Acne, etc.

Price 11/- per bottle.

SINUBÉRASE

SCIENTIFIC PREPARATION OF LACTIC FERMENTS.

Indicated in Intestinal Disorders, Dysentry, Diarrhœa, Dyspepsia, Enteritis, Typhoid, Skin Eruptions, etc., etc.

Price 5/- per bottle.

FANDORINE

Metrorrhagia, Dysmenorrhœa and Lactation, Pains, etc. etc.

Price 5/- and 11/- per bottle.

GYRALDOSE.

Antiseptic for local Gynæcological use.

Price 4/- per box (powder)
" 5/- " (tablets)

FILUDINE

SPECIFIC FOR THE LIVER.

Malaria, Diabetes, Cirrhosis, Sluggish Liver, Tuberculosis, etc.

Price 11/- per bottle.

Heppells

BRITISH AND COLONIAL AGENTS—
Pharmacists & Foreign Chemists, 164 Piccadilly, LONDON, W. 1.
Telegrams: "URODONAL LONDON." Telephone: Regent 192.
AUSTRALIAN AGENT: Mr. BASIL KING, Malcolm Buildings, Sydney, N.S.W.
INDIA (SUB-AGENTS): G. ATHERTON & CO., 8 Clive Street, Calcutta.

Stocked by all Wholesalers. *Now being largely advertised.*

T.&H. SMITH LTD

MANUFACTURERS

OF

MORPHINE, CODEINE

AND ALL OPIUM PRODUCTS.

PODOPHYLLIN

SALICIN	CAFFEINE	ALOIN
STRYCHNINE	EMETINE	CAPSICIN
CANTHARIDIN	CHLOROFORM	GINGERIN
JALAP RESIN	THEOBROMINE	SCAMMONY RESIN

Blandfield Works, EDINBURGH. *25 Christopher Street, LONDON, E.C.* *37 Washington Street, GLASGOW.*

Cable Address: "CELAITCH, NEW YORK."

CHAS. L. HUISKING, Inc.

5 PLATT STREET, NEW YORK CITY.

Brokers & Commission Merchants.

DRUGS, CHEMICALS, ETC.

Buying and Selling Agents for leading Houses in all parts of the World.

Weekly Market Reports Mailed on request of Wholesale Buyers only.

GOLD MEDALS: Paris, 1889 and 1900.
GRAND PRIX: Turin 1911.

FERDINAND ROQUES, PARIS.

"ROQUES" ATROPINE
"ROQUES" COCAINE
"ROQUES" PILOCARPINE
"ROQUES" SPARTEINE

Manufacturer of Pure Pharmaceutical Chemicals.
ESTABLISHED 1846.
OTHER SPECIALITIES:
Refined Camphor, Iodides, Iodoform, Iodothymol, Bromides, Bromoform, Bismuth Salts.
CACODYLATES, METHYLARSENATES.

SOLE AGENTS FOR U.K.: W. CHARITY & SONS, 14 Harp Lane, LONDON, E.C.3.
Telephone: Avenue 4359. (WHOLESALE ONLY.) Telegrams: "Charity London." Codes: A B C, and LIEBER'S.
NO. 2.

SULPHATE OF COPPER

(CRYSTALS & GRANULATED)
HIGHEST PURITY 99/100 %
Guaranteed.

THE
MOND NICKEL COMPANY,
LIMITED,
39 VICTORIA STREET, LONDON, S.W. 1.
ALSO MAKERS OF
NICKEL, NICKEL SULPHATE,
And NICKEL AMMONIUM SULPHATE.

JOHN & JAMES WHITE,

7 WEST GEORGE STREET, GLASGOW, SCOTLAND.
MANUFACTURERS OF

BICHROMATES

OF POTASH, SODA AND AMMONIA
CHROMATE OF SODA.
Also HIGH STRENGTH SULPHATE OF AMMONIA AND TAR.

VICTOR BLAGDEN & CO.,

4 Lloyd's Avenue, LONDON, E.C. 3.

AMMONIA PRODUCTS

SULPHATE
MURIATE
NITRATE
CARBONATE

TAR PRODUCTS

PITCH
CREOSOTE
CARBOLIC ACID
PYRIDINE
BENZOL
TOLUOL
SOLVENT NAPHTHA
NAPHTHALENES
CRESYLIC ACID, etc.

CYANOGEN PRODUCTS

PRUSSIATE POTASH
PRUSSIATE SODA
PRUSSIATE CALCIUM
CYANIDE OF POTASSIUM
CYANIDE OF SODA

ACETIC ACID
TRIOXYMETHYLENE
FORMALDEHYDE
ARSENIC
WHITE AND RED LEAD
PARAFFIN WAX
OXALIC ACID
CAUSTIC SODA

Telegraphic Address: "BLAGDENITE, FEN, LONDON."

Telegrams: "PAGANINI CANNON, LONDON."

CHAS. PAGE & CO.

Telephones: AVENUE 1726 (3 lines).

47/51 King William Street, LONDON, E.C. 4.

OFFER AT FIRST HAND FOR PROMPT DELIVERY:

ACETIC ANHYDRIDE
BARIUM CHLORIDE
BENZO-NAPHTHOL
BETA-NAPHTHOL
CALCIUM ACID PHOSPHATE
CHLOROPHYLL

BALL & FLAKE NAPHTHALINE
MAGNESIUM SULPHATE
PARAPHENYLENEDIAMINE
SODIUM ACETATE
" BISULPHITE POWDER
" " SOLUTION
" NITRITE

SODIUM PRUSSIATE
" PHOSPHATE
" PYROPHOSPHATE
" SULPHITE (Coml. & Pear)
TARTARIC ACID
THYMOL

BRITISH CELLULOSE & Chemical Manufacturing Co. Ltd.

CELLULOSE ACETATES

Non-inflammable Films, Dope and Varnish.

ACETIC ANHYDRIDE

Triacetine, Triphenyl-Phosphate, Tricresyl-Phosphate, Camphor Substitutes.

Telephone: REGENT 4045 (3 lines).

8 Waterloo Place, London, S.W. 1.

Works: SPONDON, DERBY; WILLESDEN, LONDON, N.W.

Telegrams: "CELLUTATE LONDON."

TOMODA & COMPANY,

WHOLESALE DRUGGISTS, EXPORTERS, IMPORTERS AND MANUFACTURERS.

OFFICES: Tokyo, Yokohama, Osaka, Dairen (Dalny,) Singapore. FACTORY: Hiranuma, Yokohama.
LABORATORY: Marunouchi, Tokyo.

THE SUPPLIERS OF THE FOLLOWING JAPANESE PRODUCTS:

Ammonia Sulpho-Ichthyol, Agar-Agar, Aniline Oil, Argent Proteinic, Arsenobenzol, Caffein Pure, Camphor, Chalk Precipitated, Chamomile Flowers, Cod Liver Oil, Copper Sulphate, Epsom Salts, Glycerine, Insect Flowers and Powder, Iodide Potass., Iodide Soda, Iodine Pure, Iodoform, Kuromoji Oil, Magnesia Carbonate, Menthol, Menthol Cones, Naphthalin, Neoarsenobenzol, Peppermint Oil, Salicylic Acid Salicylate Soda, Sulphate Iron, Staraniseed, Talcum, Yellow Prussiate Potass., Zinc Oxide, Ginger, etc. etc. Also Glasswares and Bottles.

Correspondence respectfully invited to

TOMODA & CO., 4-CHOME, HONCHO, NIHONBASHIKU, TOKYO.

ORION BRAND.

SACCHARINE

550 STRENGTH.

READY ON SPOT.

APPLY TO DIRECT SHIPPERS—

LINTON, HUBBARD & ANDREW, 72-75 Fenchurch St., London, E.C. 3

Telephone: 1892 Avenue. A B C and Lieber's Codes. Cables and Telegrams: "LINTEOLO LONDON."

ALL . . .

Chemicals & Drugs

PHARMACEUTICAL and TECHNICAL.

WHOLESALE and EXPORT

INQUIRIES SOLICITED.

V. A. PICERNO

92 Falcon Road, BATTERSEA, LONDON.

Telephone: BATTERSEA 1612.

Telegrams: "Picerno, Falcon Rd., Battersea, London."

Warrington Chemical & Drug Co. LTD.

Paddington Works, WARRINGTON

Manufacturers of

Salicylic Acid & Salicylates

OF FINEST B.P. QUALITY.

IMMEDIATE DELIVERY.

LANOLINE

"EMPIRE BRAND."

ADEPS LANÆ P.B. ADEPS LANÆ HYDROS. P.B.

Prepared by Qualified Chemists.

NOTHING FINER ON THE MARKET.

The British Lanoline Co., LEICESTER.

Sole Proprietors: HOWARD LLOYD & CO., Ltd., Manufacturing Chemists,

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE YET PRODUCED

IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

7 Carnwath Road, Fulham, London, S.W.

WHO INVITE INQUIRIES.

TRADE MARK, REGISTERED.

TRADE MARK, REGISTERED.

The Spa in a SPOON

SPECIAL BONUS OFFER.

NOTE THE DATES — From Monday, December 2, to Monday, December 16, 1918, both days inclusive.

BONUS OFFER — For every Carriage Paid Order of 3 doz. Harley's Three Salts received during above dates, six of the packets will be sent FREE for a 14 days' window display.

3 dozen **19/–**, sent for the price of 2½ dozen, **15/10**.

Retails at **9½**d. P.A.T.A. Attractively packed and steadily advertised, A ready seller. Send your order now to the Maker.

HARLEY, Manufacturing Chemist, **PERTH, Scotland.**

Three Salts

Johnson, Matthey & Co. Ltd.

Melters and Assayers to The Bank of England the Royal Mint. etc.
Metallurgical Chemists. etc.

PERFECT PHOTOGRAPHIC EMULSIONS
depend on the purity of their ingredients.

NITRATE SILVER

is the most important of these, and it happens also to be very sensitive to contamination.

A wide margin of safety has therefore always been our principle in manufacturing it. **First,** throughout the whole of our processes we use exclusively vessels made of Gold and Platinum. **Secondly,** all our first crystals are twice redissolved and recrystallised. **Thirdly,** every batch of final crystals is tested before passing into our stock.

Our guarantee of highest purity is thus assured.

Competitive Quotations on request.
Mark indents "Johnson, Matthey's."

None genuine if not labelled with our name & Trade Mark.

Cables—"MATTHEY LONDON" (all Codes used)
Telephone—9740 CITY (6 lines).

73-82, Hatton Garden LONDON E.C.1
Telegrams MATTHEY SMITH LONDON — Telephone 9740 CITY 6 Lines
Established over 100 Years

Special Offer this issue

FORMIC ACID

CHLORIDE BARIUM.
OXALIC ACID.
ACIDS FOR EXPORT.
GUM ARABIC.
GUM TRAGACANTH.

GLUES, GELATINES
GUMS AND WAXES.
INKS, SEASONS, FINISHES.
LOGWOOD PRODUCTS.

CHEMICALS

BORAX.
BORIC ACID.
SODA HYPO.
BICHROMATES.
CHROME OXIDES.

IRISH MOSS.
DYE-WOOD & TANNING EXTRACTS
OILS, CHROME AND FAT LIQUORS.

GOUGH, KIDSTON & CO.
12 BERMONDSEY SQ., LONDON, S.E.
City Office: 43-45 Great Tower Street, E.C.
Tel.Add.: "Oughidston, Phone, London." Phone: 2029 Hop.

TELEPHONE—HOLBORN 4894

S. TOLKOWSKY,

HALTON HOUSE, 20 HOLBORN, LONDON, E.C. 1.

London Representative of I. L. GOLDBERG, Petrograd, Wilna, Moscow, Odessa.

The exclusive exporter of **SANTONINE** from Russia to the whole world.

Inquiries solicited also for

RUSSIAN CRUDE DRUGS

Wormseed (Semen Contra)	**Liquorice Root**	**Frangula Bark**
Elderflower (Flores Sambuci)	**Calamus Root**	**Cantharides**
Lycopodium	**Boletus Cervinus**	**Blood Albumine**
Aniseed	**Gum Galbanum**	**Anise Oil**
Ergot of Rye	**„ Tragacanth**	**Coriander Oil**
	Henbane Leaves	**Soap Root**

STOCKS IN LONDON.

L. B. HOLLIDAY & CO., LTD., HUDDERSFIELD, ENGLAND.

ARE MAKING AND CAN GIVE PROMPT DELIVERIES OF:—

SALICYLIC ACID, B.P.
ACETYL-SALICYLIC ACID, B.P. (ASPIRIN)
Finest Quality
Best Appearance
Lowest Price

TARTRAZINE
AURAMINE II.
METHYLENE BLUE, Z.F. CONC.
METHYLENE BLUE (Medicinal Quality).

FOR FULL PARTICULARS APPLY

SALES DEPARTMENT,
L. B. HOLLIDAY & CO., LTD.
HUDDERSFIELD, ENGLAND.

TELEPHONE: 334 HUDDERSFIELD (4 LINES).
TELEGRAMS: "DYEWARES, HUDDERSFIELD."

"Lanzone" Lanolin

The Odourless Adeps Lanæ, B.P. Manufactured by
THE LONDON PHARMACEUTICAL REFINERS, LIMITED,
Martin's Yard, Endwell Road - LONDON, S.E. 4.

In a leading article in the "Medical Press" of June 26, 1918, occurs the following:—

"I hope that the same effort will be made to abolish Hun drugs as to get rid of Hun dyes. In one direction I am glad to find that this is being seriously attempted. One of the most important bases for ointments is lanoline. Now the English lanoline which is made by the London Pharmaceutical Refiners, Limited, of Brockley, has the merit of being superior to the old German lanoline. The B.P. allowance of fatty acids is '7, whereas this new English lanoline shows only '27. The new preparation is quite odourless, and acid fats do not develop in it by keeping. These are great merits, and show the extreme care with which the refining process has been carried out by the British refiners."

Samples and Quotations from the Selling Agents:
THE PRODUCE BROKERS' COMPANY, LIMITED, 24 St. Mary Axe, LONDON, E.C. 3.

British Pharmaceuticals

ACETANILID
AMYL ACETATE

E. H. BUTLER & SON, Manufacturing Chemists
93 Humberstone Gate, LEICESTER.

Swiss Aniline Colours.

J. R. GEIGY, S.A.,
Basle - Switzerland
are makers of
ACID REDS, YELLOWS and ORANGES
METHYLENE BLUES SPIRIT BLUE
NIGROSINES. TANNIC ACID

Agents
E. H. BUTLER & SON, LEICESTER.

L. Rozen & Co.

36/37 MINCING LANE, E.C. 3

Merchants and Manufacturers.
Crude Drugs, heavy and light
Chemicals, Seeds & Essential Oils

Telegrams: "Ocnezorle."
Telephones: 3263-4 & 5986 Avenue.

Can offer favourably from stock:
SENNA, TINNEVELLY
and ALEXANDRIAN
HENBANE LEAVES
Egyptian and Russian
GUM ARABIC
LICORICE ROOT
GENTIAN ROOT
ERGOT OF RYE

RUSSIAN:
ANISEED OIL
CALAMUS ROOT
CANTHARIDES

THÉVENAZ & CO.

Lloyds Bank Chambers,
HULL.

Offer:

COAL TAR DYES
DYES FOR LAKES
CHEMICALS

Works:
St. Andrew's Dock,
Hull.

Telephone:
Central 2704.
Telegrams:
"Thévenaz Hull."

BRITISH DRUG & CHEMICAL Co.

168 ASKEW ROAD, LONDON, W. 12.

"Double-Opt." brand Drugs & Chemicals

Sodii Salicylas, B.P., Pulv.
Physiologically pure.
An exceptionally high-grade product.
14 lbs. @ 7/4 lb.; 7 lbs. @ 7/6 lb.; 4 lbs. @ 7/9 lb.; 1 lb. @ 8/- lb.

Bismuthi Carb : Lev., B.P.
A pure white salt of extremely light character, with free diffusion.
14 lbs. @ 15/3 lb.; 7 lbs. @ 15/4 lb.; 4 lbs. @ 15/6 lb.; 1 lb. @ 15/9 lb.

Acid : Boricum, B.P. Pulv. (Subtillissime)
Finest colour, texture and purity.
1 cwt. @ 95/-; 28 lbs. @ 1/1 lb.; 14 lbs. @ 1/2 lb.; 7 lbs. @ 1/3 lb.

Aspirin, Acetyl-Salicylic Acid.
A British product, possessing *all* the properties of the Continental product.
7 lbs. @ 15/6 lb.; 4 lbs. @ 15/9 lb.; 1 lb. @ 16/-

Acid. Tartaric, B.P., Pulv.
British manufacture, of exceptional purity and whiteness.
1 cwt. @ 3/8½; 28 lbs. @ 3/10 lb.; 14 lbs. @ 3/11 lb.

TERMS—Strictly Net Cash with Order. Free containers as packed. Carriage paid Great Britain.
All business subject to acceptance at this office.
Quotations without engagement.

Broker and Commission Merchant

FOR ALL CLASSES OF

FINE & HEAVY CHEMICALS

Drugs, Acids, Gums, Colours, Seeds, Spices, Wares.

RAW MATERIALS

FOR

Pharmacy and the Perfumery Industry.

EXPORTER OF

French, Spanish and Italian

BOTANICAL DRUGS & CHEMICALS

BUYING AGENT
for Leading Houses.
Supplier to the French & American Red Cross.

Maison Francois Bittner

R. BUDDENSIEG

201 Bou'. Ma'esherbes, PARIS.
Telegrams: "Bittner, Paris.

SACCHARINE · ASPIRIN · SALOL
HEXAMINE · HYDROQUINONE
SODA-BROMIDE · BENZOIC ACID
COUMARIN · METHYL-SAL. · PARALDEHYDE

STOCKS IN LONDON. WRITE FOR QUOTATIONS.

FRANK I. HIBBERT, 17 Tooley Street, LONDON, S.E. 1.
Phone: Hop 3561. Telegs.: "Oakropac, Tooley, London."

ACETIC ANHYDRIDE

AND ALL

FINE CHEMICALS

V. C. NORTH & CO.
76 FINSBURY PAVEMENT, E.C.2.
Phone: Wall 7781. Telegrams: "Hydracetol, Phone, Lond n."

Eucalyptus Oil
B.P.

PERRY & HOPE LTD.
1 Leadenhall Street, London, E.C. 3.

Telegrams - "PERRYOPE, LED, LONDON."
Telephone - - AVENUE 5661 (3 lines).

Teleg.: "Fuerst, Grace, London."

40 Years

personal knowledge of the
Best Sources of Supply
and of the requirements of
The ultimate Consumer
enable us to give prompt
and economical delivery, at
Lowest Market Prices.

Telephone: 4350 London Wall.

CHEMICALS, OILS, PRODUCE,
METALS, MINERALS, ACIDS.
Cream of Tartar (Crude & Refined), **Argols, Wine Lees,**
Acetic, Tartaric, Citric, Oxalic, Formic and Salicylic Acids, Potashes, Alkalies, ESSENTIAL OILS, NATURAL & SYNTHETIC PERFUMES (Vanillin), LIQUORICE JUICE (Block and Sticks), etc., etc.
COAL TAR PRODUCTS.
Aniline Oil, Salts. Colours. Saccharine. Photographic Developers.
STONEWARE CHEMICAL PLANT. As supplied to H.M. Government
Advice and Assistance to our Customers cheerfully given by our Technical Department.

WHOLESALE ONLY.

FUERST BROS., Ltd., 17 Philpot Lane, LONDON. E.C.3.

Swiss Bank Corporation
Basle, Zurich, St. Gall, Geneva, Lausanne, Bienne, Chaux-de-Fonds, Chiasso, Herisau, Nyon.
London Office - - - 43 LOTHBURY, E.C. 2.
West End Branch: 11c REGENT ST., WATERLOO PLACE, S.W.1.
Capital Authorised & Fully Paid-up £3,280,000
Reserves - - - - - £1,110,000
Banking and Exchange Business of every description transacted. The Bank will gladly furnish the Chemical and Drug trades with all available information regarding Trade and Industry in Foreign Countries.

EPSOM SALTS
Druggist & Commercial Qualities.
ZINC SULPHATE
(White Copperas).
ZINC CHLORIDE
Fused, Granulated and Liquid.
GLAUBER'S SALT
PROMPT & FORWARD DELIVERIES.
INQUIRIES SOLICITED.
William Blythe & Co., Ltd.
Chemical Manufacturers,
Church, Lancashire.

R. GRAESSER, Ltd.
ESTABLISHED 1867. **RUABON** TELEPHONE: No. 3 RUABON. PRIVATE BCH. EXGE.
Manufacturers of
CARBOLIC ACID CRYSTALS, 40° C.
DETACHED CARBOLIC CRYSTALS, 40/42° C
(absolute Phenol)
All qualities of CRESYLIC ACID, etc.
ORTHO, META, and PARA CRESOLS, etc.
GLAUBER SALTS, B.P., and COMMERCIAL
LYSOL SUBSTITUTE "ACROSYL"
CONTRACTORS to the BRITISH and other Governments

LANKSHEAR, WICKSTEAD & CO., LTD.
Botany Mill, WOODLEY.
Telegrams: "RACEMIC, WOODLEY." Telephone: 180 Hyde
MANUFACTURERS OF
TARTARIC ACID B.P.
Crystal and Powder.

WATER GLASS
FOR PRESERVING EGGS.
Disinfectants | **Paints, &c.**
Vermicides | **Sheep Dips, &c.**
Lubricants | **Chemicals, &c.**
Manufactured by
S. BOWLEY & SON,
Wellington Works, Battersea Bridge, LONDON, S.W. 11.

HOPKIN & WILLIAMS, Ltd.,
16 Cross St., Hatton Garden, LONDON, E.C.1.
Works: ILFORD, ESSEX. Telegrams: "Cerium London." Telephone: 604 Holborn.

GUARANTEED CHEMICAL REAGENTS
FOR ANALYSIS AND RESEARCH.
Made and supplied to standards and specifications described in the recent publication
"Analytical Reagents: Standards and Tests."
Compiled by EDMUND WHITE, B.Sc. (Lond.), F.I.C.
NEW EDITION.
NOW READY. Price 1/ Post Free.

Tel: L.W. 7781. Tel. Add: "Hydracetol, Phone, London."
BENZOATES
LIMITED.
ENGLISH
MANUFACTURERS OF BENZOIC ACID, SODIUM BENZOATE, Etc.
VERY FINEST QUALITY.
76 FINSBURY PAVEMENT, LONDON, E.C. 2.

PATTINSON'S
MAGNESIA
CARBONATE, CALCINED AND FLUID.
THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, **ENGLAND.**
London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 6 Lloyd's Avenue, London, E.C

FRENCH CHALK
ALL GRADES. STOCKS KEPT.
SAMPSON & WHITE, Ltd., 6 Holborn Viaduct, London, E.C.

Genuine Russian **LIQUID PARAFFIN**
All gravities, correct viscosities

"Jasmine Brand" **ADEPS LANÆ**
Lanoline
Superfine Anhydr. and Hydrous

"Jasmine Brand" **PETROLEUM JELLIES**
White and Yellow

B.P. 1914
Finest Qualities
Competitive Prices

"Jasmine Brand" **WHITE OILS**
Chem. Pure, Water-white, Tasteless, Odourless
FOR MANUFACTURING PURPOSES.

ALSO TRANSFORMER & INSULATING OILS.

The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.
3 St. Helen's Place, LONDON, E.C.3.

Actual Refiners and Manufacturers at their Works near London.

POTTER'S ASTHMA CURE
For The Relief of Asthma Hay Fever Bronchitis & Diseases of the Respiratory Apparatus

1/6 TINS (P.A.T.A. 1/6)

14/- DOZ. NET.

POTTER'S Asthma Cure

ADVERTISED EVERYWHERE

GIVES INSTANT RELIEF

POTTER'S ASTHMA SMOKING MIXTURE.
Composed entirely of Herbs carefully compounded and prepared ready for smoking either mixed with ordinary Tobacco or by itself. It may also be used in Cigarette form.
PRICE 3d PER TIN

9d. TINS (P.A.T.A. 9d.)
7/- DOZ. NET.

POTTER'S ASTHMA CIGARETTES
For Relief of Asthma Hay Fever Bronchitis and Diseases of the Respiratory Apparatus

1/6 BOXES (P.A.T.A. 1/6)
14/- DOZ. NET.

POTTER'S TRAMONIUM CIGARETTES

1/6 Boxes (P.A.T.A. 1/3 net) 10/- doz.
9d. Boxes (12 in box) 6/- ,,

POTTER & CLARKE LTD.
60-64 Artillery Lane
LONDON · E

AND AT
24 LUNA STREET, GREAT ANCOATS, MANCHESTER.

GUMS

IMPORTERS—FIRST-HANDS]

ALBERT J. TAYLOR & Co.

30 Great Tower Street, London, E.C. 3. Established 1884.

Phone—Central 207. Telegrams—"Albert Taylor, Bilgate, London." Cables—"Tazadoras London." Code: A B C (5th edition.)

FILTER CLOTH

SAMUEL HILL, Ltd.

Hunters Lane, ROCHDALE.

Manufacturers for all purposes.

COTTON, WOOLLEN and LINEN.

Telegraphic Address: "Filtering Rochdale." Telephone No.: 956 Rochdale.

THERMOMETERS AND HYDROMETERS

Clinical and Chemical Thermometers of high quality a special feature.

A. T. REYNOLDS, Barnsbury Hall, Barnsbury Street, LONDON, N. 1.

Immediate Delivery. MERCURY bought to any amount for cash. Wholesale and Export.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)

London Agent: JAMES STIRTON. 43 GREAT TOWER STREET, E.C.

RAT EXTERMINATION

Mr. Wm. Robinson, Chemist, Ramelton, writes:

"Many thanks for sending "Rodine," cheque enclosed. I take an interest in this preparation as I never handled any preparation which gave more satisfaction to my customers."

RODINE RAT POISON

is the super-attractive poison.

Special Agents get nearly 100 % profit.

Sole Makers:

HARLEY, *Manufacturing Chemist,* **Perth, Scotland.**

Export Agents: TOZER, KEMSLEY & MILLBOURN, Ltd. 84 Fenchurch Street, London, E.C. 3

ON THE P.A.T.A. The Proprietors of

"SoToL" Antiseptic Mouth & Throat WASH

beg to introduce to Pharmacists their new

SOTOL non-Carbolic TOOTH POWDER

Sold in boxes at 1/- each, and to the trade at 8/- per doz.; 7/9 by 6 doz.; 7/6 per doz. in gross lots and up.

THE WESTERN DENTAL MFG. CO., LTD.

74 Wigmore St., London, W.1. Laboratories: W. Ealing, London, W.13.

A Light in the Dark!

LUMINOUS PAINT.

A QUICK-SELLING LINE.

Sells at 6½d., 1/- and 2/- per bottle. Neatly got up. Packed in cartons, with an attractive showcard, which arrests the attention of the public. Mixed ready for use. No trouble.

6½d. size, 4/6 doz.; 1/-, 8/- doz.; 2/-, 15/6 doz.

MAW, SON & SONS, Ltd., ALDERSGATE ST., E.C.

WOODWARD'S
GRIPE WATER

The Proprietors call attention to the value of their Preparation as a safeguard against chills and other similar pre-disposing causes of influenza in infants and young children.

W. WOODWARD, Ltd.,
79/81 Fortess Road, London, N.W. 5.

W. WOODWARD, Ltd., purchase their used bottles from customers, and invite communications from members of the trade who may be able to supply them.

The Proprietors desire to express their regrets that restrictions upon supplies in various directions have seriously retarded deliveries of "Gripe Water." Under the improved conditions of Peace, Messrs. Woodward hope to overtake all arrears in the home trade. They regret that their Colonial Customers have been still more inconvenienced.

TO ALL RETAIL CHEMISTS

Read carefully the reason why CICFA Customers do not waste your time or the time of your assistants when purchasing CICFA

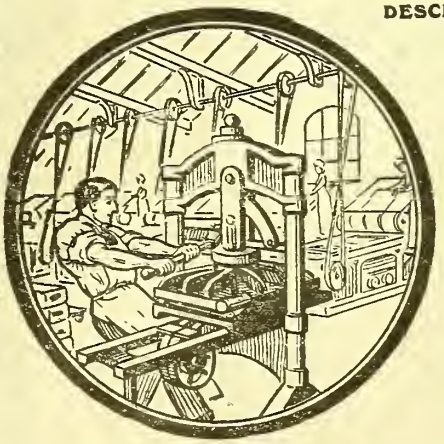
THOSE who come to you for CICFA arrive with their minds fully made up. They have no questions to ask, because they are fully informed. They know CICFA gives the results claimed, and gives the results of which they are in need. The reason for this is that our advertisements, and still more the thousands upon thousands of personal letters which we have written to the public, have so clearly explained the process of Digestion, the alterations in that process which produce Indigestion, and how to take CICFA to remove the alterations and restore the process, that they arrive well informed.

But, still further, as CICFA has been taken up by more than 13,000 British Doctors, the great mass of them have been advised by their Doctors to take CICFA, and informed as to its exceptional merits.

Consequently they do not need to waste your time. Their only need is CICFA.

CAPSULOIDS (1909) LTD.
8a Duke St., Manchester Sq., London.

THE HOUSE *for* LABELS . . .
CARTONS . .
ENVELOPES
OF EVERY DESCRIPTION.



SAMPLES TO COLONIES.
Full-set 10s. 6d., which is deducted from order of £10 upwards.

THOMAS WAIDE & SONS,
CHEMISTS' PRINTERS,
Kirkstall Road, LEEDS.

ETNA LIQUORICE JUICE

(REGISTERED)

GUARANTEED PURE.

THE FINEST ON THE MARKET. Sticks & Block.

WRITE FOR **SAMPLES AND PRICES,** PROMPT AND FORWARD DELIVERY.

SOLE IMPORTERS—

LINTON, HUBBARD & ANDREW, 72-75 Fenchurch St., London, E.C.3.

Telephone: 1892 Avenue. A B C and Lieber's Codes. Cables and Telegrams: "Linteolo, London."

"Keep the Sickroom Healthy" and the patient soon gets well.

FUMO-TARACINE Means Health

Recommended for:

SPANISH INFLUENZA, Asthma, Whooping Cough, Catarrh, Colds, Sore Throat, Measles, Broncho-Pneumonia, Influenza, Spasmodic Croup, Bronchitis.

2 oz., 1 4½; 4 oz., 2 3; 16 oz., 6 3 Inclusive of Free Vaporiser.

A specimen of one of our adverts. appearing in the popular weeklies and monthlies.

FUMO-TARACINE

TRADE MARK

THE LINE THAT SELLS WHEREVER IT IS SHOWN:

Are you stocking it?
Are you displaying our Window Cards?
Are you able to supply it on doctors' recommendations?
Have YOU applied for SOLE AGENCY terms?

IMMENSE DEMAND—RAPID SALE!

THE COAL BY-PRODUCTS COMPANY,
112 High Holborn, LONDON, W.C. 1.

Telegrams: "Cobyproco, Westcent, London." Telephone: Holborn 9[illegible].

LATTY'S CORN CURE

EXTENSIVELY ADVERTISED.
INCREASING SALES.
SELLING PRICE 1/3
20 PER CENT. PROFIT.

Write for Special Terms for October.

LATTY, Chemist, BRISTOL

Wholesale from Sangers, May, Roberts & Co. Ld., &c.

ATKINSON & BARKER'S ROYAL INFANT'S PRESERVATIVE

ON P.A.T.A. LIST.

Prices and Terms on application to R. BARKER & SON, Ltd.
13 Wesley St., Grosvenor St., C.-on-M., MANCHESTER.

DOES NOT CONTAIN any SCHEDULED POISON.

"GLACIALINE"

The Original and Most Effective Food Preservative

The only Food Preservative that has ever been publicly awarded Gold and Silver Medals and Certificates of Merit for Purity and Harmlessness.

TRADE MARK

REGISTERED.

Full directions for use enclosed in every package. Packed in 6d. and 2/- Packets and 2/3 Canisters.

FAVOURABLE TRADE TERMS UPON APPLICATION TO THE

Sole Proprietors and Manufacturers:

BURTON, BAKER & CO.

16 EASTCHEAP, E.C. 3.

NOSTROLINE

TRADE MARK REG.

N.379.

NASAL SPECIFIC

Look to your Stock!

Place orders without delay direct or through Wholesale.

Protected at face value, 1/3

Price: 1 doz. 11/9, 3 doz. 33/9, 1 gross 135/-

Carriage Paid. Terms: Cash Net.

"NOSTROLINE"
Prevents and Cures
COLD IN THE HEAD,
NASAL CATARRH,
HAY FEVER ETC.
Protects against Infection.

OVERSEAS CORRESPONDENCE INVITED

HAROLD E. MATTHEWS & Co.
CLIFTON, BRISTOL.

46 % Profit

A good return of profit on a widely advertised article is assured to all Chemists who stock

Chocoloids

The Cure for Constipation

Chocoloids are supplied to the retailer in two sizes—at 12/- and 24/- per dozen. With each dozen small size is given FREE two small tins, and with each half-dozen large size one large tin. Retail price 1/3 and 2/6 respectively.

Chocoloids Advertising is National.

Daily and weekly newspapers, weekly and monthly periodicals all carry Chocoloids advertising to the extent of over ten million copies per month. Chocoloids are already sold when you exhibit our showcard.

Send an order to-day. Show material supplied free.

The Chocoloid Co.,
Stirchley Laboratories - Birmingham.

A1

Twenty-Five per Cent. CLEAR PROFIT

is made on the sale of BLENOSAN CAPSULES. Owing to the extensive advertising propaganda embarked upon to the Medical profession, the sales are daily increasing. Every Chemist should be ready with stock to meet the demands of the Medical profession, who are prescribing BLENOSAN for the treatment of Gonorrhœa and other urinary troubles.

On P.A.T.A.

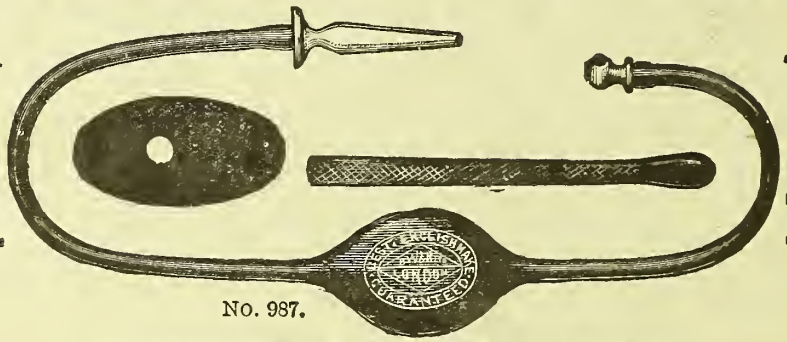
32/- doz. Only size tin, 3/6 each

PREPARED BY

ROBERT FERBER LIMITED,
—98-104—
Oakley Street
LONDON, S.E.1

SEAMLESS ENEMAS.

Per Dozen **27/-**



No. 987.

Per Dozen **27/-**

GUARANTEED FOR 2 YEARS.

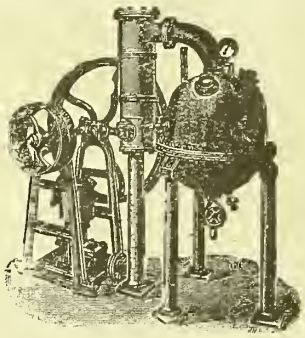
		s.	d.
No. 987.—The **"B.E.M."** (best English make) with bone rectal pipe, etc., complete in superior card box, per doz.		27	0
,, ,, in leatherette dome-top case	,,	30	0
SPECIAL LINE, red, unpolished, in card box	,,	26	0
,, 988.—The **"EMPIRE,"** black polished, in card box	,,	24	0

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,

91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.



STILLS, VACUUM STILLS, VACUUM PANS.

EVAPORATING PANS.

AUTOCLAVES AND DIGESTORS.

SPECIAL APPARATUS AND PLANT FOR MANUFACTURING CHEMISTS.

SOLE MAKERS of BENNETT S PATENT 'IDEAL' ANNULAR FILM CONDENSERS.
SHEARS' PATENT MULSER.

BENNETT, SONS & SHEARS, LTD.

ENGINEERS & COPPERSMITHS,

43 & 44 Shoe Lane, LONDON, E.C. 4.

CHEMICAL PLANT

FOR NEARLY ALL INDUSTRIES IN

STEEL, CAST IRON, BRONZE AND SPECIAL ALLOYS

OR

TANTIRON

ORGANIC & SYNTHETIC PRODUCTS,
SALICYLIC ACID & SULPHONATED,
CHLORINATED & ACETYLATED COMPOUNDS.
PLANTS FOR NITRIC, SULPHURIC & HYDROCHLORIC ACID.

LENNOX FOUNDRY CO., LTD.

GLENVILLE GROVE, NEW CROSS, LONDON, S.E.

Telegrams: "Equifex Dept., London." Telephone: New Cross 778.

GLASS
FLAT-BOTTOM TUBES

Write for quotations for flat and round bottom tubes, all sizes. Orders executed promptly.

JOHN TYE & SON, Manufacturing Chemists, Glass Blowers.

457 CALEDONIAN ROAD, LONDON, N. 7.

THE
LIVERPOOL LINT Co.

MARK STREET MILLS,
NETHERFIELD ROAD NORTH,
LIVERPOOL,
MANUFACTURERS OF

LINTS,
BANDAGES,
COTTON WOOLS,
SURGEONS' TOW,
CARBOLIZED TOW,
SPLINT PADDING,
WADDINGS, &c. &c.

As supplied to Home and Foreign Governments.

"IMPERMIETTE" (Waterproof)
"IMPERMIETTE" BED SHEETING.
"HEALTH" CHEST PROTECTORS.

ABSORBENT TISSUE

FIRST FIELD DRESSINGS

Telegrams: "LINT LIVERPOOL"

WE MAKE
GLASS BOTTLES

ESTABLISHED TRADE MARK 1880.

All kinds, Shapes and Colours. Plain, Screw-capped and Stoppered.

GEO. G. FORSYTH,

A. RUCH & CO., LTD.

28 Martins Lane, Cannon Street, LONDON, E.C. 4.

Only Wholesale Quantities Supplied.

Phone: Central 4799. Telegrams: "Sennock, Cannon, London."

"My, George! I can't see it now"

The tear was there but she can't find it now

Such incidents as that which is here humorously portrayed are happening in thousands of homes to-day.

Many of them are the result of first experiments with samples of this wonderful new material—free samples which we have distributed to create the interest of YOUR public.

Now then is the time to prepare for the demand—and remember

Mend-a-Tear

PATENT

has come to stay, the more so because, being introduced at a time when economy in clothes is an every-day essential, it will quickly become a necessity in the households of all classes. There is a handsome profit for you.

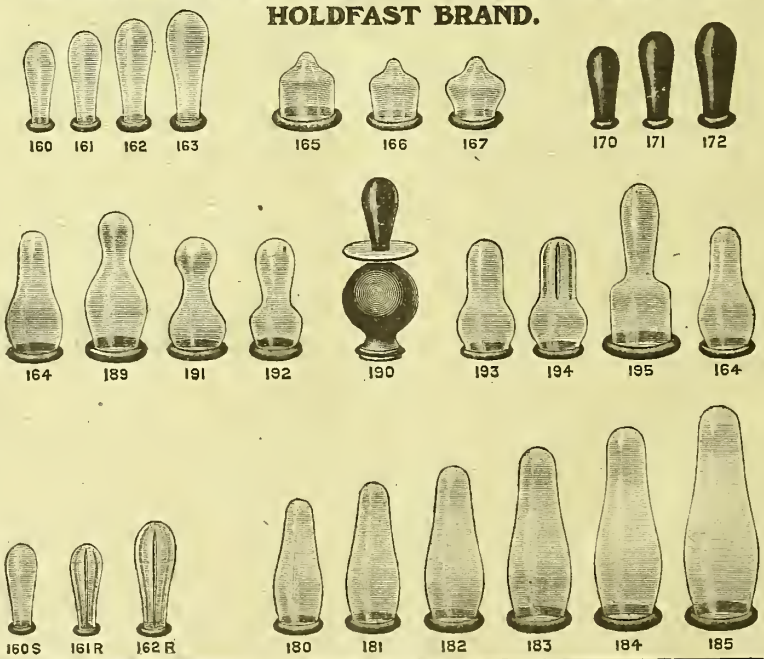
Packed in outer decorative Cartons, containing three dozen 1/- Outfits, and as a quantity of advertising matter is sent with every Carton, it is in the Retailer's interest to order in three dozens and multiples. Ask your Wholesaler for particulars, or write the Manufacturers—

LEICESTER RUBBER CO. Ltd.
18 Granby Mills, Leicester.

There's never a tear you can't repair with Mend-a-Tear.

Seamless Rubber Teats.

HOLDFAST BRAND.



MADE IN ENGLAND BY **A. S. CARTWRIGHT, Ltd.** Kingsnorth Rubber Works, NORTHFIELD, BIRMINGHAM.

BRANDON, TURNER & CO.,

48 Hatton Garden,
London, E.C.

CARDBOARD BOXES & CARTONS

of every description.

FOLDING BOXES A SPECIALITY

IMMEDIATE DELIVERY GUARANTEED

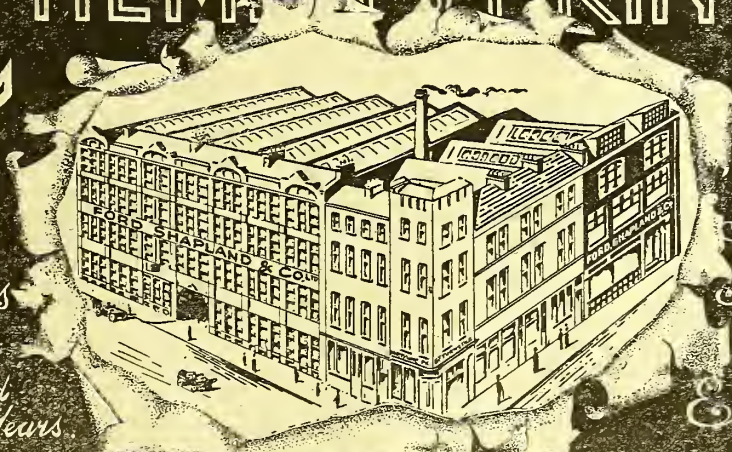
Send us Your Inquiries.

TELEPHONE. No CITY 65.

THE HOUSE FOR

TELEGRAMS. FORSHAPCO, WESTCENT, LONDON.

CHEMISTS' PRINTING.



Send us your Enquiries

Established Over 70 Years.

Labels, Cartons, Show Cards, Shampoo and Corn Silk Envelopes, Etc

FORD, SHAPLAND & Co. Ltd.

GREAT TURNSTILE,
HIGH HOLBORN, LONDON, W.C.1.

AGENTS FOR THE REGISTRATION OF TRADE MARKS

LIQUORICE STICKS

Best & Leading Brands
READY ON SPOT

Owing to SCARCITY early application is desirable.

Apply direct to Shippers in Bulk:—

LINTON, HUBBARD & ANDREW,

72 - 75 Fenchurch Street——————LONDON, E.C. 3.

Telephone: 1892 Avenue. A B C and Lieber's Codes. Cables & Telegrams: "Linteolo London."

A Safe & Indispensable Family Remedy

EUSALINE

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

A FAVOURITE WITH CHILDREN.—Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

WHOLESALE TERMS.

EUSALINE is Retailed at 1/9 per bottle, Wholesale price, 15/- per dozen. Discount 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, and 1/6 per box. Wholesale price, 13/- per gross. Discount 15%, plus bonus, according to quantity ordered. Carriage Paid on £5 orders.

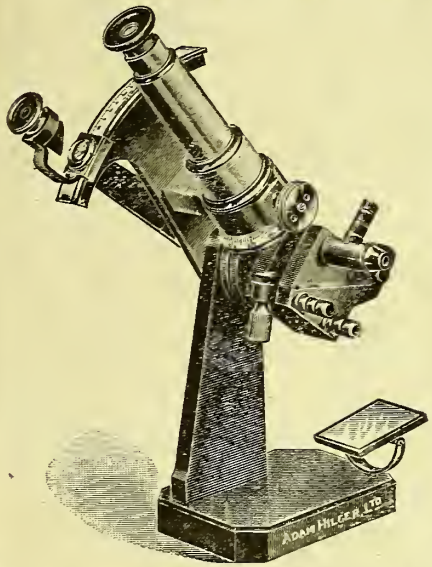
GEORGE WALKER & SON, Ltd.
Reid Street, Bridgeton - GLASGOW.

ESTABLISHED 1860.

DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

YOU MUST ADOPT SCIENTIFIC METHODS

or take the consequences in the competition that is coming.



THE ABBE REFRACTOMETER is a valuable aid towards **maintaining uniform strength in pharmaceutical products** (solutions, syrups, etc.), and much quicker than taking the dried weights or specific gravities.

Yet, compared with the average cost of a piece of machinery, the price of the Abbe Refractometer is insignificant.

The instrument is extremely simple to use.

Delivery in four weeks from receipt of order.

New Descriptive Booklet post free from the Makers:

ADAM HILGER, LTD.,

75a CAMDEN ROAD, LONDON, N.W. 1.

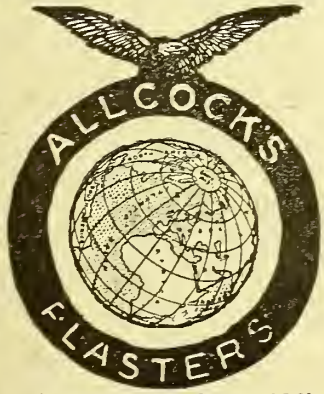
Telephone: NORTH 1677—8. Telegrams: "SPHERICITY, PHONE, LONDON."

ESTABLISHED 1847.

Allcock's PLASTERS

A REMEDY OF 70 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
The Three Reliables.



Prices and Terms on application to
ALLCOCK MANUFACTURING COMPANY
22, Hamilton Sq., Birkenhead, England.

"Sold all round the World."

The Mark of

Quality Reliability

Registered Trade Mark

ELLIOTT OPTICAL CO.

(Proprietor: GUY E. DRUIFF)

104/5 Gt. Saffron Hill, LONDON, E.C. 1.

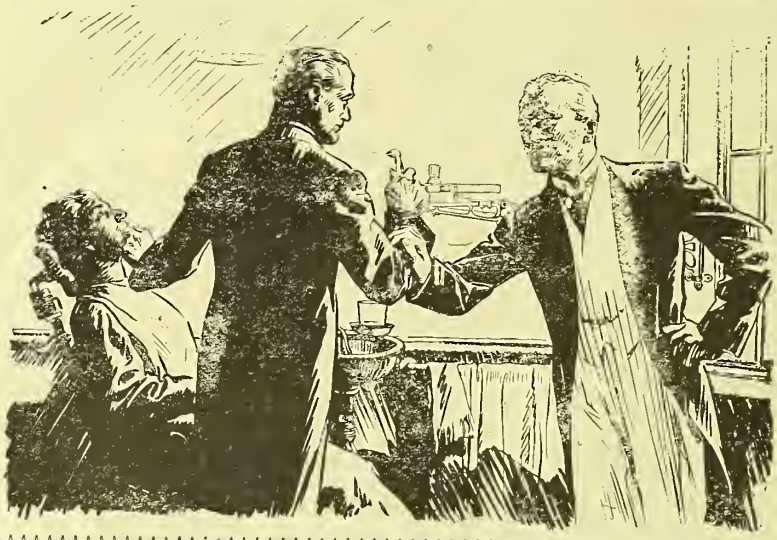
Orisal Reg.d

The agreeable alternative to extraction in the prevention & treatment of **PYORRHŒA**

THE FORMULA OF A SPECIALIST.

As a dental paste **2/3** per tube; wholesale, **23/-** per dozen net.

As a concentrated mouthwash **2/9** per bottle; wholesale, **28/-** per dozen net.



Protected Prices.

Remittance with order, carriage paid on not less than one dozen.

Particulars of liberal progressive discount on application.

Value of goods returned refunded in full.

Of principal wholesale Houses, or direct from

ORISAL Ltd.,

77 GEORGE STREET, PORTMAN SQ., W. 1.

A. DE ST. DALMAS & CO.

Contractors to His Majesty's Government.

LEICESTER.

(Established 1828.)

—MANUFACTURERS OF—

MEDICAL PLASTERS

Spread Plasters. Adhesive, Belladonna, Soap Cerate, Roborans, Flesh colour Adhesive, &c.

Hospital Strapping. On Holland Pure Stout Calico, &c.

Porous Plasters. All kinds. On Cotton Cloth Red Felt, White Kid, &c

Rubber Adhesive Plaster. On Cotton Cloth or Holland—In Tins or on Spools.

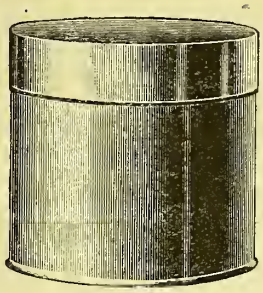
Court Plasters, Toothache Plasters, Corn and Bunion Plasters, Mustard Leaves, &c.

SURGICAL BANDAGES

Waterdressing, Fastedge, Calico, and Flannel Bandages, Elastic Web, Crepe Velpeau, and Plaster of Paris Bandages.

THE LEICESTER "VARICO" LEG BANDAGE.

TRADE MARK.



Manufacturers of Tin Boxes for Chemists' use.

Also Manufacturers of Food Containers, Letter Files, Tin Boxes, and Cardboard Boxes for all Trades.

"ELSWAL" (Registered Trade Mark).

COMPOSITE CONTAINERS

For Packing Food, Chemicals, Paints, & all classes of Goods.

BOTH our Factories have been devoting the whole of our energies during the last 4¼ years to the production of Munitions of War. We now are using all our energies for the production of civil requirements, and to reconstruct our business to find employment for demobilised men. We therefore are putting on the market Composite Containers, which are a new and indispensable production vastly superior to Tin Boxes, for the following reasons:

HYGIENE. (1) They are much more cleanly than tin boxes, which have deposits left inside during the manufacture. Jars also are washed in dirty water, whereas these Containers are made of a perfectly clean and pure Papier Maché and Tinplate.

WEIGHT. (2) They are 25% to 75% lighter than Tin Boxes and Jars.

PRICE. (3) There is a considerable advantage in price.

UTILITY. (4) They are a more up-to-date method of packing, and avoid the breakage of jars and the leakages of tin; and the highest recommendation is the fact that the War Office have been buying 11,000,000 per week or more of these Containers for sending jam to our troops on the different battle fronts. After careful experimenting, they are found to be a most economical, practical, and perfect system of packing. Your inquiries are solicited.

EELES, WALKER & CO., Crescent, Birmingham.
Telegrams: "ELSWAL BIRMINGHAM."
Telephones: CENTRAL 5324/5.

London Agents:
MUSSARED & UPCOTT, 112/3 Fore St., E.C. 2.
Telegrams: "MUSSARED, CENT. LONDON."
Telephone: CENTRAL 378.

THE EFANDEM CO. LTD.

BRITISH "TEC" MAKE

Manufacturers of T.E.C. Goods

INCLUDING

BRITISH "TEC" MAKE

Electric Pocket Lamps, Torches Hand Lanterns, Dry Batteries etc., etc.

CHIEF OFFICES AND WORKS: FALLINGS PARK, WOLVERHAMPTON

Telegrams—"Efandem" Telephone—1123

LONDON—22 NEWMAN ST., OXFORD STREET, W. 1

MANCHESTER—18 QUEEN ST., ALBERT SQUARE.

LONABARC TRADING COMPANY
LIMITED.

THYMOL CRYSTALS

ROSEMARY SPIKE LAVENDER RED THYME
PENNYROYAL AND SAGE OILS
ACONITE ROOT GENTIAN ROOT

INQUIRIES SOLICITED. *GOOD STOCKS IN LONDON*

60 FORE STREET, - - - - - LONDON, E.C. 2.

EUCALYPTUS OIL
(RECTIFIED).

Eucalyptol Content 70/80%
Optical Rotation ... ... 0 to 1
Specific Gravity ... ... ·919 to ·928
Absolutely Free from Phellandrene.
Quotations by cable. Wholesale Trade only.

BURNSIDE & COMPANY
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.
New Postal Address— 439 Flinders Lane, Melbourne.
Cables—"Burnside Company, Melbourne."

PURE ESSENTIAL
OIL OF HOP.

PRICE AND INFORMATION FROM THE DISTILLERS:

WHITE, TOMKINS & COURAGE, Ltd.
Head Office:
48 Mark Lane, LONDON, E.C. 3,
and at LIVERPOOL, BELFAST, BOSTON.

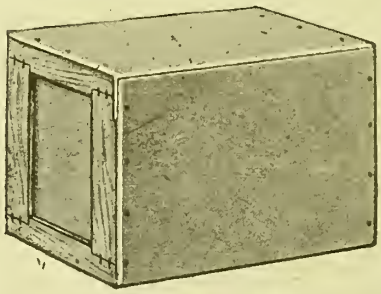
Don't pack "Packing" troubles

SEND TO-DAY FOR DESCRIPTIVE BOOKLET.

Delivered to you in the flat, ready for putting together. ¶ All Boxes made to specification

Let Us Help You

Reduce your freight charges.
Save storage room.
Adopt distinctive Packing Cases for your goods.
Buy in quantities, thus escaping the constantly advancing prices.
Lighter than Wood—Cheaper than Wood.



The "HERCULES"
Fibre Board Packing Case.

GLOBE BOX CO. Proprietors: Cartwright & Rattray Ltd. **Boston Mills, HYDE.**

EBURITE PAPER CO., Ltd.

AMBERLEY ROAD, PADDINGTON, W.9.

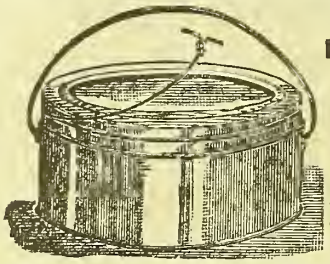
WE WANT WASTE PAPER

Best Prices. We Collect.

MAKERS OF

CORRUGATED PAPER

The Northern Tin Canister Works,



6 Mersey Street,
LIVERPOOL.

Manufacturers for the Chemical Trade.

TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Patent Air Tight Slip-lid Tin for Export.

Prompt Deliveries Assured.

A REALLY SENSIBLE CHRISTMAS GIFT

would be to give your Junior a "Postal Course of Pharmacy Tuition" of the Chester and N. Wales College of Pharmacy. It would do him or her good, *and you, too.* Junior 3 gns., Minor 4 gns. Do it now. Write Sec.,

Chester & N. Wales College of Pharmacy,
HOOLE, CHESTER.

WESTMINSTER COLLEGE.

Principals: G. S. V. WILLS, Ph.C. (Founder): P. H. WOODNOTH, M.P.S. Phone: BRIXTON 1728.

Next Minor Term Commences JANUARY 8.

APOTHECARIES' HALL COURSE COMMENCES FEBRUARY 5, 1919.

SPECIAL REDUCTION in COLLEGE FEES for Minor Students who have received Postal lectures whilst on Active Service.

OCTOBER EXAMINATION. WAR-TIME PASS LISTS.

Pass List **100%** :-: Minor & Hall **335**

For Prospectus and Pass Lists apply THE PRINCIPALS 190 Clapham Road, LONDON, S.W.9.

METOL

NEARLY all the METOL-JOHNSONS has been required by the Government to help to win the war. Now that the Armistice is signed there will undoubtedly be a gradual easing off of War Office requirements, so that Metol-Johnsons will be available for Professional, Commercial and Amateur Photography.

Metol-Johnsons is the pure chemical, is made at JOHNSON & SONS' works in London, and is supplied in bottles of all sizes for the Home and Export Markets.

JOHNSON & SONS, Manufacturing Chemists, Ltd.
23 Cross Street, Finsbury, LONDON, E.C. 2.

An Excellent Opportunity for Disabled Men.

British Optical Institute, Limited

FERN LODGE, 20a GROVE ROAD, BRIXTON, S.W 9.

Technical Instruction in Optics.

Day and Evening Classes in preparation for all Optical Examinations. Well thought out and successful Postal Courses for Provincial, Colonial and Foreign Students.

Clinical, Experimental and Laboratory Work.

Special Courses have been arranged to enable disabled Officers and Men to prepare themselves for a new career.

As Women are now needed in the Optical Profession to replace men called up for active service, short Courses of Study are being held continuously at the Institute to fit women for an occupation so eminently suited to their capacities.

For further particulars and fully detailed Prospectus apply to the Principal, Dr. MAX COQUE, B.Sc. *Tel.: Brixton 677*

CHEMISTS' SHOPFITTINGS

WANTED.—Every Chemist requiring Shopfittings to send for my estimate; you *can't* do better. I shall be pleased to send you rough sketches free on receipt of particulars. Over 30 years' experience.

Glass Showcases, Drugfittings, Dispensing Screens, Window Enclosures, Glass Shelves, Wall Cases, Perfume Cases, Plate Glass Front Counters, Drawers, &c., at lowest prices.

NOTE ADDRESS—

GEORGE COOK,

The Chemists' Working Shopfitter,

29 MACCLESFIELD STREET, CITY RD., LONDON, E.C.

CELLULOID MOULDED GOODS

MANUFACTURED TO ORDER.

Quotations and time for delivery on receipt of sample.

A. W. J. SHELDRAKE,

497 Grove Green Rd., Leytonstone, London, E.11

Offer for Immediate Shipment.

COUMARIN. SACCHARIN (Soluble; Insoluble).
VANILLIN. MILK SUGAR.
HYDROQUINONE.

Wanted to Purchase.

Sparteine Sulphate.
Luminol (Phenylethylmalonylurea).
Luminol Sodium (Salts of Phenylethylmalonylurea).

Send us your offerings and inquiries

SAMSON ROSENBLATT,

89 Fulton Street, New York City.

BOOKS for PHARMACISTS

THE PRESCRIPTION.—By Dr. O. A. Wall. One of the best books on the subject ever written. The subject is therapeutically, pharmaceutically, grammatically and historically considered. Fourth edition, enlarged and rewritten, 275 pages, 6×9, illustrated. Cloth, 10*s.* 6*d.*; with THE SPATULA 1 year, 14*s.*

LESSONS IN LATIN.—By Dr. O. A. Wall. A valuable book for any one who wishes to acquire a knowledge of medical and pharmaceutical Latin, especially adapted for self study. Second edition revised. 148 pp., 6×9, cloth, 6*s.*; with THE SPATULA 1 year, 10*s.*

PRACTICAL PHARMACY. — By Birdsey L. Maltbie. Second edition revised to conform to the U. S. P. Ninth revision. Explains in plain language the most essential facts in pharmacy, omitting what is unimportant. Especially adapted to the needs of the self-taught and those who wish to review their early training. 434 pages, illustrated. Cloth, 12*s.*; with THE SPATULA 1 year, 16*s.*

INCOMPATIBILITIES IN PRESCRIPTIONS.—The object of the first part of this book is to present to the student in a convenient and condensed form the more common incompatibilities. The second object of the writer is to furnish the student of pharmacy with a list of incompatible prescriptions in such form that he may find out for himself what the trouble is, and the best means of avoiding or overcoming it. 320 pp., 6×9. Cloth, 9*s.*: with THE SPATULA 1 year, 13*s.*

POCKET MEDICAL FORMULARY.—Including over 2,000 formulæ or prescriptions and a number of unique and specially valuable features. By William Edward Fitch, M.D. Second edition. Printed on special made, very thin opaque paper. 500 pages. One-quarter inch in thickness. Small 12mo. Bound in flexible leather and of convenient size for the pocket, 8*s.*; with THE SPATULA 1 year, 11*s.*

GOULD'S POCKET MEDICAL DICTIONARY. — 35,000 medical words. Seventh edition. The system of pronunciation used in this book is very simple and the definitions are arranged in a form most convenient for reference and memorising. Thin 64mo. 6 × 6¾ inches, 1,000 pages. Full limp leather, gilt edges, rounded corners, 7*s.*; with THE SPATULA 1 year, 10*s.*

THE NEW STANDARD FORMULARY.—By Hiss and Ebert. Nearly three times the size of the earlier edition. Its wealth of information is up to date and precisely adapted to the needs of dispensers of to-day. In its six sumptuous departments will be found the formulas of the world—thousands of originals and all of value from American, English, German, French and Scandinavian pharmacopœias, dispensatories, manuals and other works. 1,300 pages, 6×9, strongly bound in buckram, 23*s.*; with THE SPATULA 1 year, 26*s.*

MANUAL FOR THE ESSENCE INDUSTRY.—By Erich Walter, specialist in the Beverage Industry. Contents—Flavouring and its Transfer to Foods and Beverages. The raw-material sources of the flavours. Laboratory Practice. Non-alcoholic beverages (mineral waters, fruit juices and essences for Effervescent Lemonades: with a supplement on Jams and Fruit wines). The Alcoholic industry (brandy, liqueurs, spirits and all Alcoholic drinks). Essences for Confectionery, Baking and the Kitchen. Colouring matters for foods and drinks. Cosmetic Essences (Perfumery, Cosmetics and Soap Perfumes). 427 pages, 6 × 9. Cloth, 18*s.*; with THE SPATULA 1 year, 22*s.*

WATCH FOR ANOTHER LIST OF BOOKS THE WEEK AFTER NEXT.

FREE.—To any Chemist and Druggist in any part of the world, a sample copy of THE SPATULA, one of the handsomest and most practical drug journals published, full of American vim and push, and a 32-page illustrated catalogue of pharmaceutical books.

(Cheques on local banks in Great Britain accepted. Make Money Orders payable to IRVING P. FOX, Treasurer.)

THE SPATULA, 14 Sudbury, Boston, Mass.

Biggest Business Builder
for all Chemists and Drug Stores

The Manifold Sign

is the latest, most effective, most useful, and cheapest interchangeable Letter Sign of its kind upon the market. 25 2-in. and 280 1½-in. letters, figures, etc., supplied. Announcements changed in a few seconds whenever required. When placed in position the letters are firmly fixed. The whole outfit sent free for

25/-

(plus 1/- for packing and carriage).

Cheques and P.O.'s to be made payable to H. H. CURNOW.

Size 17½ in. × 14½ in.

ORDER AT ONCE and have a permanent changeable window sign by return, or send a postcard for illustrated booklet.

THE MANIFOLD SIGN CO. (C.D.)

Agents wanted. **19 Ludgate Hill, LONDON, E.C.4.**

"HALACO" THE SIGN OF QUALITY.

HONEY—Finest White Set

Nominal 1-lb. Glass Containers, 28/- doz.
" " Wood Pulp " 26/- "
Net Cash.

SWEETENING POWDER
"HALACO" The Record Seller

7½d. packets, 54/- gross, net.
Cash with order.

BAKING POWDER
The Best, 1/10 lb.

SOOTHERS From 11/6 gross.

SANITARY TOWELS
1's 12/6, 2's 18/- gross.

SEND FOR LIST.

HASTING, LANG & CO., LTD.
Wholesale Druggists & Manufacturing Chemists,
1 ROMAN ST., CHURCH ST., MANCHESTER.

We offer

WAXES

PETRO. JELLY

LIQUID PARAFFIN B.P.

WHITE OILS

Send us your inquiries.

J. J. FRANSES & SONS,
LIMITED,
80a Southwark St., LONDON, S.E.1.

Salvo Petrolia
the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.
Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition

Other Grades
Petroleum Jellies, White Bases, &c.
Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

Phone: 186 Bootle. Wires: "Cestrian Liverpool."

Saint-Raphael

Tonic, Restorative, Digestive Wine.

Known throughout the World, and prescribed in all cases of ANÆMIA, DEBILITY, and CONVALESCENCE, to Young Women, Children and the Aged.

DOSE: One Wine-glass after the two principal Meals.

Recommended by—
Prof. BOUCHARDAT, Professor of Hygiene, Paris Faculty of Medicine.
Dr. MacNAUGHTON JONES, London, England.

"For more than thirty years St. Raphaël Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie Rostan Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolle, Laënnec, &c."—*Union Médicale*, May 8 and June 12, 1873.

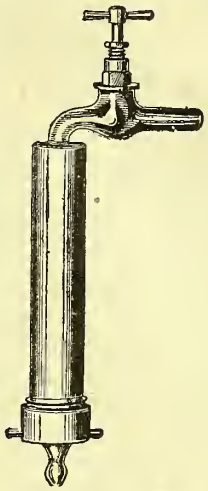
"The 'Vin de St. Raphaël' is often used for ladies nursing their own children; it is preferable to stout, which creates an unhealthy fat."—*The Lancet*, London, England.

"St. Raphaël Wine is most precious in all cases where it is necessary to give tone to the system, without effort or shock."—Dr. C. Des Barres.

Cie du VIN SAINT RAPHAEL, Valence, Drome, FRANCE.

To be obtained from all Wholesale Druggists.

PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT STATEMENT:

Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

WRITE FOR LIST B.

Sole Makers:
The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY, LONDON, E.C. 2.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT, Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES.—Gums Arabic and Tragacanth as Imported or finely powdered.

PRECIPITATED CHALK.
Lightest and Whitest, also Purest Dense
APPLY TO
AUG. LEVERMORE & CO. Ltd., 8-10 Gt. St. Helens, LONDON, E.C.
Telegrams: "LEVERMORE LONDON." Telephone: 4613 Central.

SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
Trial Size 8d., per post 10½d.; Medium, 1/4, per post 1/7; Large, 3/6, per post 4/-
8d. size, 6/- doz.; 1/4 size, 12/- doz.; 3/6 size, 33/- doz.
THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

CACHETS "FINOT"
(White or Coloured),
With Inscriptions in any desired tint: also Plain or Embossed.
"Beautifully made and the inscriptions give them a distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes, to fit the various types of Cachet Machines.

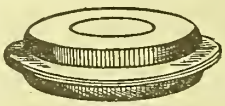
DISINFECTANTS
OF ALL KINDS
Cheapest Makers of Co-efficient Acids and Fluids
HENRY ELLISON, LTD., CLECKHEATON, YORKS

Van Horn and Sawtell
—LONDON AND NEW YORK— MAKERS OF
"K-Y" LUBRICATING JELLY
IN COLLAPSIBLE TUBES AND OF
Van Horn "Sterile Sutures and Ligature
IN GLASS TUBES — PRICES ON APPLICATION
81-88 HIGH HOLBORN, W.C.

For GUARANTEED
ATOMIZERS and SPRAYS
THE DEVILBISS CO., LIMITED,
71 NEWMAN STREET, LONDON, W. 1.

TOOTH BRUSHES
BEST QUALITY. FULL SIZE.
18/- per dozen.
THE GALEN MANUFACTURING CO., LIMITED,
Wilson Street, New Cross, S.E. 14. (1)

S.V.M. WINES FOR CHEMISTS. **S.V.R.**
A. MACNAIR & Co. *Dolphin Distillery Aldwick, MANCHESTER*

CACHETS

WEPS.
The Best Quality.

WEST-END PHARMACY SUPPLY
(R. Rios)
231 REGENT ST., LONDON, W. 1.
Cachets. All sizes, plain and embossed
Orders accepted for coloured & printed.
BLENOSAN CAPSULES
(Kava-Kava & Santal Compound).
Medicinal Capsules. Fine Chemicals.

ROYAL COURT HAIR DYES
Notwithstanding the shortage of supplies, we are still in a position to supply all orders and guarantee our preparation to be exactly the same as pre-war recipes. Own-named brands a speciality. Largest profit, and most reliable Hair Dye yet produced.
J. KNOX WALKER & Co. Ltd., 422 Kingsland Rd., London, E. 8.

"BRILLIANIA"
The World-famed Enamel for Grey & Faded Hair. Absolute, safe and natural.
3/6 size, 37/- doz.; 6/6 size, 68/- doz.; 12/6 size, 132/- doz.
Largely Advertised. Ask your Wholesaler.
THE BRILLIANIA CO., 37 Sloane Street, S.W. 1.

John E. Raworth,
Chartered Patent Agent,
The Old Mansion House, 73 Cheapside, E.C. 2. AND *Queen Anne's Chambers, Westminster, S.W. 1.*

QUIN-QUENNA Merely show to sell.
4/- PER DOZ.
A clever and heavy press campaign is behind this unique Hair grower and beautifier. Hence the tremendous business with those chemists who *only* show it. Look at the profit, too. Carriage paid on six dozen lots, with **One Dozen Bonus** to those who show it.
6d. PER PKT.
NOTE THE LIBERAL P. A. T. A. PROFIT.
THOS. CHRISTY & CO., 4/12 Old Swan Lane, E.C. 4

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—
PRESTON'S LIVERPOOL DISTILLERY Co., Ld.
The Largest Makers in the Kingdom.
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

Trade Mark.

Established 134 Years.

R. J. Fullwood & Bland

The OLDEST and LARGEST Firm of

ANNATTO, RENNET

and BUTTER COLOUR Manufacturers in GREAT BRITAIN

GERMANS have never had any interest whatever in R. J. F. & B.'s firm, which has been carried on by British partners and with British capital since it was established in 1785. Others who claim to be the only makers of Rennet in England CANNOT SAY THIS.

R. J. F. & B. have secured large quantities of Calves' Stomachs, and are now open to book orders for any quantity of Rennet.

Sole Addresses:

31, 33 & 35 Bevenden St., Hoxton, London, N. 1
and Rennet Works, Ellesmere, Salop.

OWING TO WAR WORK

FOOT TROUBLES are increasingly prevalent, and all leading Chemists will do well to hold a good stock of, and make an attractive window or counter display of

D'Scholl's
Foot Comforts

These scientific and world-famous Foot Appliances are made under medical supervision, and are easy and profitable to sell. Backed by extensive advertising they are in constant demand, and correct all Foot Ailments such as Flat Foot, Metatarsalgia, Enlarged Joints, Bunions, Corns, Callouses, &c.

Packed in attractive Cartons, with printed instructions inside.

Send for Wholesale Price List.

THE SCHOLL MFG. CO. LTD.
Giltspur Street, London, E.C. 1.

AMPOULES.

JOHN BELL & CROYDEN, Ltd.,
Wigmore Street, W.1.

Specialise in Ampoule Filling.

CHEMISTS' SPECIAL FORMULÆ PREPARED ACCORDING TO REQUIREMENTS.

Special Quotations for Large Quantities.
SEND FOR PRICE LIST.

ASBESTOS FILTER FIBRE

Specially prepared for the filtration of Water, Beer, Spirits, Vinegar, Wines, Gelatine, Pharmaceutical Products and Essences.

GIVES A CLEAR AND SPARKLING FILTRATE AT A MINIMUM COST.

PURE, NEUTRAL AND INSOLUBLE.

Write for Samples and Prices to

TURNER BROTHERS ASBESTOS Co., Ltd.,
ROCHDALE, England.

E. YOULDON, LTD.

MANUFACTURERS OF

GLASS BOTTLES

TREBY ST. (late Carter St.),
Maplin St., Mile End, London, E.

ESTABLISHED 1840. Telegrams: "YOULDON, BOWBUR, LONDON." Telephone: EAST 132.

PLAYING CARDS

Smooth, Linenette or Cambric Backs.

Stocks are low.

Order at once.

EACH PACK IN TUCK-IN END CARTONS.

PER **18/6** DOZEN

NET.

MAY, ROBERTS & CO. Ltd. 7/13 CLERKENWELL ROAD LONDON - - E.C. 1

And at 16 WESTMORELAND STREET, DUBLIN.

A most Attractive and Reliable Pharmacist's Line.

ROYAL VINOLIA VANISHING CREAM.

(NON-GREASY.)

Autumn and Winter bring with them an increased demand for a good and reliable Toilet Cream.

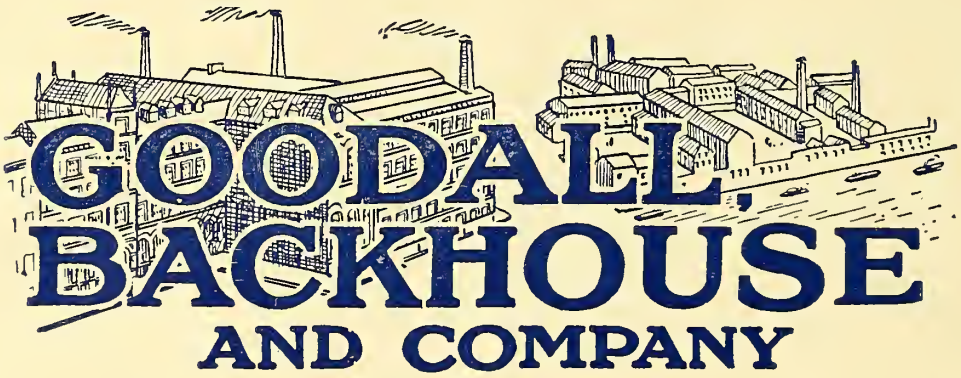
Royal Vinolia Vanishing Cream is a perfect non-greasy skin food, which can be recommended with the greatest confidence. It always gives complete satisfaction, and therefore brings repeat orders.

YIELDS A SPLENDID PROFIT.

In 7½d. & 1/- Tubes, and 1/- Pots.

VINOLIA COMPANY LTD., LONDON - PARIS.

R V 317—29c



MANUFACTURING
CHEMISTS
and
WHOLESALE
DRUGGISTS

Send for List of High-quality, High-Profit Lines.

White Horse Street, LEEDS.

TELEPHONE - - 3574 CENTRAL (4 LINES).

Bournville Cocoa & Chocolate

"THE VERY FINEST PRODUCTS"—*The Medical Mag.* MADE BY CADBURY.

Printed for the Proprietors by Spottiswoode, Ballantyne & Co., Ltd. New Street Square, E.C. 4., and Published by the Proprietors